



# PROGRAM MANAGER FOR ROCKY MOUNTAIN ARSENAL

U.S. ARMY  
MATERIEL COMMAND

— COMMITTED TO PROTECTION OF THE ENVIRONMENT —

FINAL  
COMPREHENSIVE AIR QUALITY AND  
METEOROLOGICAL MONITORING PROGRAM  
AIR QUALITY DATA ASSESSMENT REPORT  
FOR FY 1993  
VOLUME IV of IV

VERSION 2.0

OCTOBER, 1994  
CONTRACT NO. DAAA05-92-D-0002  
TASK ORDER 92.10

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13. ABSTRACT (Maximum 200 words) THE PURPOSE OF THE COMPREHENSIVE MONITORING AIR QUALITY AND METEOROLOGICAL MONITORING PROGRAM (CAQMMP) AT RMA IS TO CONTINUE THE ONGOING COLLECTION OF BASELINE DATA THAT WAS ESTABLISHED UNDER THE REMEDIAL INVESTIGATION (RI) PROGRAM AND THE COMPREHENSIVE MONITORING PROGRAM (CMP). TOGETHER, THESE PROGRAMS ARE USED TO DETERMINE AMBIENT AIR QUALITY IN SUPPORT OF REMEDIAL ACTIONS BEING CONDUCTED AT RMA. THIS REPORT FOCUSES ON RESULTS OF THE CAQMMP FOR FISCAL YEAR 1993 (FY93) AND INCLUDES ANALYSES AND COMPARISONS TO DATA FOR PRECEDING MONITORING PROGRAMS AT RMA AND FOR OTHER PROGRAMS THAT RAN CONCURRENTLY. THE CAQMMP FY93 DATA, IN CONJUNCTION WITH PREVIOUS CMP/CAQMMP DATA, BASIN F REMEDIAL MONITORING PROGRAM DATA, AND BASIN F POST REMEDIAL IRA F MONITORING PROGRAM DATA, PROVIDE A COMPREHENSIVE DATABASE FOR EVALUATING REMEDIAL PROGRESS RESULTING FROM THE BASIN F CLEANUP PROGRAM AND OTHER REMEDIAL ACTIVITIES. ONE OBJECTIVE OF THIS REPORT IS TO PROVIDE AN ASSESSMENT OF THE COMBINED DATABASE IN THE CONTEXT OF REMEDIAL PROGRESS. DATA ANALYSES CHARACTERIZED POTENTIAL SOURCES				
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Prepared by:

EBASCO SERVICES INCORPORATED  
AGEISS ENVIRONMENTAL INCORPORATED

Prepared for:

U.S. Army Program Manager's Office for  
Rocky Mountain Arsenal

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## LIST OF ACRONYMS AND ABBREVIATIONS

AA	Atomic Absorption
ACGIH	American Council of Governmental Industrial Hygienists
ADI	Acceptable Daily Intake
Army	U.S. Army
As	Arsenic
Atrazine	2-chloro-4-ethylamino-6-isopropylamino-s-trianine
BCHPD	Bicycloheptadiene
BLDG	Building
°C	Degrees Celsius
C <sub>6</sub> H <sub>6</sub>	Benzene
CAQMMP	Comprehensive Air Quality and Meteorological Monitoring Program
CCl <sub>4</sub>	Carbon Tetrachloride
ccm	cubic centimeters per minute
CDH	Colorado Department of Health
cfm	cubic feet per minute
CFR	Code of Federal Regulation
CH <sub>2</sub> Cl <sub>2</sub>	Methylene Chloride
CHCl <sub>3</sub>	Chloroform
Chlordane	1,2,4,5,6,7,8,8-Octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1H-indene
CiC <sub>6</sub> H <sub>5</sub>	Chlorobenzene
CMP	Comprehensive Monitoring Program
CMP FY90	Comprehensive Monitoring Program Fiscal Year 1990
CO	Carbon Monoxide
CRL	Certified Reporting Limit
CVAAS	Cold Vapor Atomic Absorption Spectroscopy
DBCP	Dibromochloropropane
11DCLE	1,1-Dichloroethane
12DCLE	1,2-Dichloroethane
12DCE	trans-1,2-Dichloroethene
DCPD	Dicyclopentadiene
DIMP	Diisopropylmethyl phosphonate
12DMB	1,2-Dimethylbenzene
DMDS	Dimethyldisulfide
DMMP	Dimethylmethylphosphonate
DPS	Denver Public Schools
EA	Endangerment Assessment
EBASCO	Ebasco Services Incorporated
EPA	Environmental Protection Agency
ESH	Effective Stack Height
ETC <sub>6</sub> H <sub>5</sub>	Ethylbenzene

## LIST OF ACRONYMS AND ABBREVIATIONS (Cont.)

°F	Degrees Fahrenheit
FID	Flame Ionization Detector
FS	Feasibility Study
FY	Fiscal Year
GC	Gas Chromatograph
GC/MS	Gas Chromatography/Mass Spectrometry
GC/ECD	Gas Chromatography/Electron Capture Detection
GT	Greater Than
H <sub>2</sub> S	Hydrogen Sulfide
HEAST	Health Effects Assessment Summary Table
Hg	Mercury
ICAP	Inductively Coupled Argon Plasma
IRA	Interim Reponse Action
IRA-F	Interim Response Action at Basin F
IRDMIS	Installation Restoration Data Management Information System
IRIS	Integrated Risk Information System
ISC	Industrial Source Complex Dispersion Model
lpm	liters per minute
m	meter
Malathion	S-[1,2-bis(ethoxycarbonyl)ethyl]0,0-dimethyl-phosphorodithioate
MEC <sub>6</sub> H <sub>5</sub>	Toluene
µg	micrograms
µg/std m <sup>3</sup>	micrograms per standardized cubic meter of air (760 mm Hg, 25°C)
µg/m <sup>3</sup>	micrograms per cubic meter
µm	micrometer (micron)
mg/m <sup>3</sup>	milligrams per cubic meter
MIBK	Methyl Isobutyl Ketone
mph	miles per hour
MRI	Midwest Research Institute
MST	Mountain Standard Time
NAAQS	National Ambient Air Quality Standards
NAD	North American Datym
NATICH	National Air Toxics Information Clearinghouse
ng/m <sup>3</sup>	nanograms per cubic meter
NH <sub>3</sub>	Ammonia
NIOSH	National Institute of Occupational Safety and Health
NIST	Nation Institute of Standards and Technology
NMOC	Non Methane Organic Compound
NNDMEA	N-Nitrosodimethylamine
NO	Nitric Oxide
NO <sub>2</sub>	Nitrogen Dioxide
NO <sub>x</sub>	Nitrogen Oxides

## LIST OF ACRONYMS AND ABBREVIATIONS (Cont.)

O <sub>3</sub>	Ozone
OCP	Organochlorine Pesticides
OVA	Organic Vapor Analyzer
OVM	Organic Vapor Meter
Parathion	0,0-Diethyl-0(p-nitrophenyl)phosphorothioate
PID	Photoionization Detector
PM-10	Particulates less than 10 micrometers
PMRMA	Program Manager Rocky Mountain Arsenal
ppb	parts per billion
ppbr	parts per billion volume
PPDDE	2,2-Bis(4-chlorophenyl)-1,1-dichloroethylene
PPDDT	1,1-Bis(4-chlorophenyl)-2,2,2-trichloroethane
ppm	parts per million
PSD	Prevention of Significant Deterioration
PUF	Polyurethane Foam
QA	Quality Assurance
QC	Quality Control
RAP	Remedial Action Program
RBACs	Risk-Based Air Concentrations
RfCs	Reference Concentrations
RI	Remedial Investigation
RI/FS	Remedial Investigation/Feasibility Study
RMA	Rocky Mountain Arsenal
SARA	Superfund Amendments and Reauthorization Act
sccm	standard cubic centimeters per minute (760 mm Hg, 25°C)
scfm	standard cubic feet per minute (760 mm Hg, 25°C)
SO <sub>2</sub>	Sulfur Dioxide
SOP	Standard Operating Procedures
SQI	Submerged Quench Incinerator
Supona	2-chloro-1-(2,4-dichlorophenyl)vinyl diethyl phosphate
SVE	Soil Vapor Extraction
SVOC	Semivolatile Organic Compounds
111TCE	1,1,1-Trichloroethane
112TCE	1,1,2-Trichloroethane
TCLEE	Tetrachloroethene
TIC	Tentatively Identified Compound
TLV	Threshold Limit Value
tpy	tons per year
TRCLE	Trichloroethene
TSP	Total Suspended Particulates
UATMP	Urban Air Toxic Monitoring Program
UNK	Unknown Number

## LIST OF ACRONYMS AND ABBREVIATIONS (Cont.)

USAEHA	U.S. Army Environmental Hygiene Agency
USATHAMA	U.S. Army Toxic and Hazardous Materials Agency
UTM	Universal Transverse Mercator
VOC	Volatile Organic Compounds
VOTA	Volatile Organic Toxic Air collection system (Graseby-Andersen, Inc., trade name)
XAD	Adsorbent resin for semivolatile compounds (Supelco, Inc., trade name)
XYLENE	Total Xylenes
%	Percent



## Appendix J

### Meteorological and Air Quality Monthly Tables

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :10/ 1/1992 TO :10/31/1992

10M WIND SPEED (MPH)  
OCTOBER - 1992

.....DAILY																									
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	8.3	7.4	8.1	7.7	7.3	7.6	6.8	9.7	8.7	6.9	3.8	4.1	4.0	5.8	6.0	4.9	4.3	4.8	6.6	12.5	10.6	8.6	7.2	7.3	7.0
2	7.9	8.1	7.4	7.2	7.8	8.3	9.4	10.3	8.7	4.8	2.8	4.2	4.4	5.2	6.2	4.5	5.5	7.5	10.2	12.0	6.1	7.7	8.1	9.9	7.3
3	10.4	9.1	7.3	7.1	8.1	9.8	6.2	6.4	5.6	2.5	3.2	5.3	6.9	9.0	12.0	16.0	22.2	16.0	19.9	20.5	15.5	14.1	11.4	6.6	10.5
4	7.3	7.7	9.4	5.2	5.0	3.6	4.5	3.8	2.3	4.9	6.8	8.2	10.1	8.0	8.3	7.0	4.9	10.6	3.8	6.5	5.9	10.6	10.2	4.9	6.7
5	3.5	2.0	2.1	4.3	7.2	7.2	4.3	5.9	9.6	9.3	9.9	9.9	9.5	9.2	6.7	7.5	6.2	4.9	5.3	7.2	6.8	6.1	3.8	4.0	6.3
6	3.7	4.8	6.7	6.6	5.7	5.7	7.1	3.6	5.0	4.2	4.8	5.8	10.2	13.9	16.8	16.3	14.0	10.7	12.8	13.1	14.4	15.4	11.0	18.1	9.6
7	33.5	35.7	30.2	22.6	18.2	12.7	8.8	11.9	22.2	31.1	28.3	29.3	29.6	30.1	29.9	27.3	26.8	24.2	15.1	7.5	6.0	6.8	5.6	5.8	20.8
8	5.9	5.6	5.1	6.7	4.8	4.3	6.8	5.7	3.8	4.3	3.3	7.1	8.7	15.9	23.6	19.5	13.5	5.4	4.4	4.7	7.4	10.8	8.9	6.6	8.0
9	6.8	5.3	5.7	6.6	6.5	8.2	6.1	6.7	14.6	13.9	12.0	11.0	6.8	23.5	22.7	13.9	11.5	14.0	7.5	4.5	3.1	6.4	4.5	4.1	9.4
10	6.4	7.2	7.3	5.2	5.4	6.3	5.4	3.0	3.2	3.3	6.1	10.7	6.4	4.9	4.0	5.6	3.2	2.9	5.9	8.6	10.7	10.8	7.3	10.3	6.3
11	11.8	13.9	13.5	12.1	12.1	10.2	10.3	10.0	7.0	5.9	5.0	5.8	5.7	6.7	11.5	9.7	6.7	6.0	7.4	8.6	8.5	6.5	6.2	5.6	8.6
12	7.4	3.9	3.7	3.6	4.5	5.1	6.4	5.1	4.5	3.8	4.5	4.5	5.9	11.0	21.8	18.5	13.2	9.1	9.5	10.4	6.2	7.7	6.9	6.4	7.6
13	10.4	10.3	4.2	9.1	4.5	5.8	8.0	5.8	3.9	4.0	5.4	6.2	4.8	5.2	6.2	10.6	18.3	16.0	19.0	23.8	25.0	14.5	9.1	7.1	9.9
14	3.9	2.9	4.0	5.3	6.9	6.7	7.2	3.6	6.0	6.3	7.3	8.4	8.0	7.3	6.1	7.7	10.0	8.6	9.0	7.8	7.0	8.8	3.3	5.0	6.5
15	3.2	2.7	1.9	3.8	3.8	3.5	3.9	4.0	6.2	3.8	7.2	9.5	10.4	13.1	25.2	24.3	16.2	12.2	14.4	8.9	5.8	6.4	5.1	6.1	8.4
16	6.6	5.8	3.2	3.8	5.8	7.1	6.5	4.3	3.3	3.3	4.4	5.8	6.4	2.3	4.3	5.7	3.5	2.6	3.8	3.4	5.4	6.8	7.1	5.6	4.9
17	6.7	6.8	5.6	5.2	5.6	6.6	5.4	3.9	4.5	8.0	10.4	10.8	8.9	8.7	9.9	22.4	19.4	11.2	8.2	8.2	4.7	5.3	5.7	3.4	8.1
18	4.4	4.3	5.1	4.2	6.4	5.2	3.0	2.6	4.6	6.9	7.6	4.4	3.3	3.2	5.0	9.6	8.4	5.9	5.1	8.0	5.0	6.3	2.7	5.9	5.3
19	5.3	7.5	7.5	6.7	6.6	7.6	7.0	6.1	7.8	7.5	9.3	10.8	10.8	7.1	6.2	10.4	8.3	7.5	10.2	10.8	9.1	7.8	9.3	2.7	7.9
20	4.7	2.9	6.4	7.0	9.1	8.5	6.3	8.0	11.1	7.8	6.6	6.0	4.4	5.4	5.4	4.5	6.2	10.8	11.9	11.1	9.1	11.9	12.1	11.4	7.9
21	10.4	11.3	11.6	11.3	8.2	10.0	11.8	12.2	13.5	10.4	8.5	8.9	17.3	19.2	18.5	19.6	15.7	9.5	7.7	7.4	6.3	5.9	6.4	9.6	11.3
22	13.0	13.3	12.2	11.3	12.4	10.8	8.7	5.2	8.0	6.2	3.0	2.7	3.3	4.3	6.7	6.3	6.1	8.6	7.5	4.3	4.6	5.3	5.2	4.3	7.2
23	3.3	5.7	4.6	5.2	5.6	6.1	5.8	4.3	6.5	8.3	7.1	7.2	5.4	5.8	4.2	5.6	3.2	2.4	5.2	8.8	7.1	7.5	7.2	7.5	5.8
24	6.6	7.9	5.8	7.5	6.8	7.6	7.6	7.6	8.6	5.3	3.9	4.7	5.0	5.2	4.6	7.3	5.5	10.2	10.5	10.0	10.5	11.8	10.1	9.0	7.5
25	10.5	7.4	4.7	4.7	6.1	5.8	7.3	5.7	6.3	3.7	8.5	16.3	22.4	22.5	20.6	20.5	14.8	9.3	12.2	9.4	7.3	7.7	6.5	4.9	10.2
26	6.2	7.3	7.7	7.5	8.0	7.5	4.1	2.8	3.3	2.0	3.7	4.6	3.4	3.1	4.9	4.6	4.7	5.5	5.2	7.0	9.0	9.7	8.4	11.8	5.9
27	11.4	10.0	10.2	8.1	10.1	7.7	10.6	10.4	10.3	6.7	2.7	3.9	5.1	4.3	10.0	10.0	7.1	9.3	13.4	10.7	4.4	5.1	9.2	8.2	8.3
28	9.7	12.8	4.7	5.3	4.9	6.4	7.3	8.1	8.9	9.8	6.3	4.0	7.2	14.5	18.9	20.4	18.6	20.0	14.7	11.8	5.2	3.9	3.4	4.4	9.6
29	3.4	2.0	1.7	1.6	1.6	3.2	2.7	2.1	1.4	1.6	2.5	2.3	2.3	3.9	8.0	10.0	9.6	7.6	5.6	3.6	2.8	1.6	2.4	3.8	3.6
30	4.0	2.6	2.0	5.2	5.3	2.6	2.4	2.5	3.0	2.6	4.3	7.5	9.2	12.1	CAL	CAL	CAL	8.1	7.3	4.4	5.4	3.3	4.1	5.0	4.9
31	6.1	4.8	2.3	4.7	4.2	2.0	3.3	2.2	4.3	3.0	7.6	12.2	12.4	13.6	14.4	9.3	11.4	4.9	3.6	2.8	4.2	5.6	5.0	4.5	6.2
HOURLY																									
MEAN	7.8	7.7	6.8	6.8	6.9	6.8	6.5	5.9	7.0	6.5	6.7	7.8	8.3	9.8	11.6	12.0	10.6	9.2	9.1	9.0	7.7	8.0	6.9	6.8	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	12.5	12.0	22.2	10.6	9.9	18.1	35.7	23.6	23.5	10.8	13.9	21.8	25.0	10.0	25.2	7.1	22.4	9.6	10.8	12.1	19.6	13.3	8.8	11.8	22.5
MIN	3.8	2.8	2.5	2.3	2.0	3.6	5.6	3.3	3.1	2.9	5.0	3.6	3.9	2.9	1.9	2.3	3.4	2.6	2.7	2.9	5.9	2.7	2.4	3.9	3.7
.....																									
DAY	26	27	28	29	30	31																			
MAX	11.8	13.4	20.4	10.0	12.1	14.4																			
MIN	2.0	2.7	3.4	1.4	2.0	2.0																			

MONTHLY AVERAGE = 8.0    MONTHLY MAXIMUM = 35.7    MONTHLY MINIMUM = 1.4  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 99.6%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :10/ 1/1992 TO :10/31/1992

WIND DIRECTION (DEGREES)  
OCTOBER - 1992

DAY	HOUR																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	192	191	207	209	193	195	194	201	207	199	245	204	136	73	112	78	84	105	140	153	183	191	191	191
2	192	198	197	188	194	199	196	206	213	232	203	186	115	358	49	111	95	100	128	147	188	185	181	197
3	212	201	188	185	191	196	197	199	226	224	240	39	52	150	157	155	151	152	170	175	180	201	182	189
4	181	209	204	202	221	279	58	268	228	103	97	93	88	88	92	90	12	327	81	84	14	34	27	241
5	209	7	130	167	148	123	94	74	57	30	25	34	36	23	38	21	8	19	55	333	354	325	348	5
6	96	163	137	142	137	100	113	136	293	294	310	328	324	332	318	323	320	316	336	349	19	30	10	1
7	14	21	27	26	34	27	22	9	6	11	16	13	15	24	21	17	17	15	17	44	73	158	191	164
8	170	191	195	199	190	190	197	192	186	183	206	285	285	285	286	276	269	276	275	223	227	210	198	186
9	217	328	41	348	131	132	136	1	89	91	94	95	63	300	291	30	40	63	70	177	171	157	175	184
10	189	181	166	175	176	164	155	191	240	89	67	31	39	37	40	115	127	159	151	164	201	204	193	196
11	198	203	201	202	207	205	205	207	215	248	292	259	222	313	336	342	12	95	143	151	159	164	193	157
12	168	250	230	260	263	240	243	229	256	254	208	169	273	270	280	281	270	253	252	245	201	206	201	193
13	206	212	150	256	116	235	184	219	260	178	182	178	115	151	207	316	299	302	308	332	24	14	15	7
14	28	96	152	132	152	163	160	86	52	53	46	63	73	55	48	69	75	62	49	38	359	345	333	273
15	253	210	358	28	80	165	112	7	2	69	95	99	91	102	72	63	52	44	28	32	18	39	81	93
16	119	147	126	117	7	24	342	318	300	314	320	352	351	33	194	198	210	48	94	124	165	177	186	179
17	172	185	210	224	215	226	230	248	353	11	351	326	0	20	63	68	66	52	92	104	132	164	153	136
18	154	17	5	224	219	219	288	258	235	198	210	194	186	161	96	96	110	121	202	222	219	219	190	212
19	198	188	192	195	200	203	196	223	216	241	267	295	258	320	32	43	58	112	116	161	197	185	158	216
20	156	343	201	215	211	198	198	196	201	197	177	176	145	173	164	107	117	146	165	173	192	204	207	210
21	198	200	202	202	186	197	201	209	206	201	188	180	195	194	194	194	199	250	264	269	236	186	184	203
22	200	212	216	221	215	237	217	262	215	230	241	323	168	266	95	92	73	62	136	289	57	31	289	345
23	201	271	275	196	193	202	210	243	359	34	24	16	42	24	19	20	25	82	102	153	213	198	175	179
24	182	171	193	207	198	200	198	197	202	200	165	186	156	131	87	77	82	165	158	176	188	208	205	198
25	208	183	278	60	160	218	213	178	199	186	56	17	18	5	359	346	326	301	307	286	257	236	241	245
26	122	134	156	130	134	138	178	236	287	246	184	186	188	71	95	87	108	136	172	211	197	190	188	199
27	200	196	198	184	193	189	195	196	203	224	182	110	174	103	76	91	82	70	87	99	2	22	23	51
28	92	107	1	22	60	112	116	118	125	132	139	98	15	332	316	320	327	340	331	332	328	298	306	342
29	359	350	292	347	302	336	2	58	19	63	1	3	13	358	351	342	345	332	2	356	348	318	202	180
30	206	205	26	76	57	65	167	57	80	62	44	32	38	10	CAL	CAL	CAL	340	12	322	293	261	223	218
31	231	210	224	352	26	154	254	190	192	2	35	14	11	36	35	7	277	269	229	167	133	129	139	171

TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744      VALID DATA RECOVERY RATE = 99.6%      OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING      CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAGMMP  
SITE 4 FROM :10/ 1/1992 TO :10/31/1992

SIGMA THETA (DEGREES)  
OCTOBER - 1992

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	13	3	10	5	3	3	3	4	8	13	38	42	50	50	28	33	16	9	9	5	23	6	6	3	16
2	4	5	5	3	4	5	3	5	11	21	40	39	67	36	28	20	20	12	10	11	12	10	7	7	16
3	10	11	4	6	4	3	11	13	14	38	46	30	50	32	16	14	6	4	5	4	10	7	10	28	16
4	17	20	7	14	13	52	39	67	57	32	18	19	15	27	16	16	38	12	55	40	25	10	13	59	28
5	9	38	34	10	15	24	15	9	17	21	21	18	24	24	27	20	16	13	37	11	15	8	14	26	19
6	29	14	8	7	15	7	14	43	13	30	32	31	19	10	9	8	8	5	5	15	10	5	15	14	15
7	7	4	4	5	5	8	8	12	12	10	11	10	13	7	7	7	6	5	5	14	53	7	6	9	10
8	9	9	17	7	9	11	7	11	22	36	62	34	29	18	8	10	7	16	17	24	23	12	15	26	18
9	31	37	25	49	17	17	25	51	24	8	9	10	65	7	10	24	14	6	16	55	23	10	4	7	23
10	7	3	10	5	16	5	5	16	21	58	28	18	37	44	40	27	22	9	7	13	7	5	6	3	17
11	4	4	3	5	3	3	4	6	19	22	34	46	65	37	22	27	37	18	10	5	3	9	12	27	18
12	27	35	15	18	11	15	16	16	17	25	26	36	51	21	7	9	5	7	9	11	13	5	8	8	17
13	10	8	32	43	67	26	11	29	23	30	20	16	33	35	47	26	6	6	4	25	9	8	9	6	22
14	20	30	12	8	7	6	9	26	26	27	25	23	22	27	26	24	8	13	17	9	24	19	77	34	22
15	15	29	52	36	33	39	51	47	24	48	23	18	18	14	9	7	8	7	6	5	12	20	7	12	22
16	12	7	33	22	24	7	16	13	18	26	41	33	29	51	35	12	58	47	37	41	34	11	13	13	26
17	15	29	30	26	22	30	66	59	25	19	24	15	28	27	21	7	10	9	15	10	14	11	11	21	23
18	37	47	26	45	7	11	44	44	23	15	14	24	46	49	36	11	5	46	37	8	25	23	38	16	28
19	19	12	6	8	24	29	12	15	8	16	19	20	24	46	33	18	17	17	16	18	7	10	11	72	20
20	58	37	7	10	6	4	4	5	8	14	17	33	42	37	50	32	9	8	4	4	16	12	6	5	18
21	4	2	2	2	6	4	4	5	8	8	14	18	13	11	9	6	9	10	11	8	23	22	15	6	9
22	5	6	6	9	14	9	18	33	16	13	30	59	70	60	30	19	14	18	14	59	34	65	24	40	28
23	33	14	16	27	10	5	8	14	42	14	23	26	40	24	29	19	26	31	31	8	10	11	7	6	20
24	8	4	20	5	6	3	3	5	7	15	22	27	41	33	55	12	24	13	4	12	5	4	4	6	14
25	6	15	51	27	18	14	18	10	7	21	24	13	9	14	12	10	8	7	15	20	23	7	13	62	18
26	10	12	13	5	6	7	25	40	16	56	32	26	46	40	39	21	9	9	8	24	4	6	6	3	19
27	3	3	5	4	5	3	4	5	7	13	58	53	36	41	17	9	11	9	8	5	33	18	10	9	15
28	7	4	56	30	17	25	5	10	11	13	23	45	25	13	6	4	5	6	7	6	9	11	9	18	15
29	14	56	28	25	26	10	22	15	44	31	37	62	48	36	14	9	17	9	21	17	26	43	23	16	27
30	15	63	51	19	38	42	40	62	41	43	26	28	21	18	CAL	CAL	CAL	20	17	30	31	16	23	17	31
31	7	10	32	32	10	42	12	38	12	72	27	16	21	13	15	60	12	13	12	69	33	20	32	9	26
HOURLY MEAN	15	18	20	17	15	15	17	24	19	26	28	29	35	29	23	17	15	13	15	19	19	14	15	19	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	50	67	50	67	38	43	53	62	65	58	65	51	67	77	52	58	66	49	72	58	23	70	42	55	62
MIN	3	3	3	7	8	5	4	7	4	3	3	5	4	6	5	7	7	5	6	4	2	5	5	3	6

  

DAY	26	27	28	29	30	31
MAX	56	58	56	62	63	72
MIN	3	3	4	9	15	7

MONTHLY AVERAGE = 19.9    MONTHLY MAXIMUM = 77.3    MONTHLY MINIMUM = 2.2  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 99.6%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :10/ 1/1992 TO :10/31/1992

TEMPERATURE (DEGREES F)  
OCTOBER - 1992

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	56.0	55.0	53.8	53.3	52.2	50.6	51.6	57.0	64.1	69.9	75.3	78.7	80.4	81.3	81.3	81.8	80.5	77.1	70.8	63.7	61.7	61.6	58.8	57.2	65.6
2	56.6	55.4	53.9	53.8	53.2	51.3	52.4	56.8	63.4	69.6	75.6	77.9	79.6	80.1	81.0	81.1	79.7	75.3	69.8	63.0	62.1	61.2	58.7	57.2	65.4
3	56.4	56.2	54.1	53.5	52.8	51.3	50.8	55.3	61.3	67.8	72.6	77.1	79.8	82.1	82.5	82.4	80.1	75.1	73.5	71.2	69.2	65.3	64.3	60.3	66.5
4	59.4	58.1	56.1	54.6	54.4	52.8	51.5	53.8	60.7	65.9	68.1	70.1	71.7	74.2	73.4	73.7	72.2	70.5	68.4	66.7	65.6	62.8	58.9	56.2	63.3
5	57.2	57.3	55.1	52.1	47.8	47.2	49.7	51.5	52.2	53.2	55.3	57.3	58.7	59.8	60.0	59.7	58.1	57.5	56.3	54.5	52.6	50.3	50.2	49.8	54.3
6	48.4	48.4	47.9	47.2	47.1	46.5	45.9	47.3	48.6	52.2	54.6	55.5	57.0	56.8	54.7	52.6	51.7	50.3	50.1	48.8	46.5	44.6	43.9	43.4	49.6
7	36.6	34.3	34.8	35.1	34.6	34.5	34.0	35.8	38.2	39.7	40.8	43.0	44.2	42.8	42.9	42.5	42.0	40.6	37.8	34.5	33.5	33.1	32.9	31.6	37.5
8	29.0	28.7	27.4	27.1	26.7	25.8	27.7	32.7	42.4	48.0	52.0	55.1	57.7	60.0	59.6	60.6	59.6	56.3	55.6	54.1	53.3	52.3	50.0	50.0	45.5
9	53.9	54.9	54.9	53.6	52.8	50.8	51.7	54.4	54.6	53.7	53.8	53.7	55.3	58.9	60.9	58.0	55.5	49.8	47.8	45.8	45.6	43.1	43.0	42.7	52.1
10	39.3	38.1	36.8	35.5	35.2	34.3	33.6	38.9	46.6	53.8	57.9	58.7	60.5	61.8	63.1	62.9	62.5	60.3	58.5	53.2	52.0	49.5	48.2	47.7	49.5
11	47.5	48.0	48.2	48.3	46.9	47.9	47.5	53.1	62.0	68.9	71.7	73.8	75.2	76.5	76.7	76.6	75.1	71.7	67.7	64.1	63.1	58.7	56.8	51.7	61.6
12	50.6	48.8	48.4	47.8	45.6	45.1	45.4	48.1	53.0	58.6	64.4	70.7	75.5	77.3	78.2	76.7	74.1	71.8	71.9	70.8	64.1	63.5	63.1	60.1	61.4
13	63.1	65.9	63.5	67.3	68.2	67.8	60.3	61.4	62.0	67.5	72.0	75.2	77.4	79.6	80.9	81.0	79.7	76.1	74.0	70.7	52.9	47.7	44.4	42.8	66.7
14	42.4	41.0	40.3	39.8	37.1	37.3	37.0	38.5	42.6	46.5	49.2	51.6	54.1	56.3	58.9	59.5	56.7	51.5	46.9	43.9	42.0	39.5	37.8	38.5	45.4
15	37.9	38.2	37.7	36.5	34.6	35.0	35.4	37.3	40.2	47.4	54.0	59.6	62.0	64.0	59.5	53.1	49.1	44.5	39.5	35.7	34.2	32.3	30.3	29.1	42.8
16	27.5	25.7	24.9	24.5	24.1	24.0	23.0	25.0	27.9	30.4	35.6	38.4	36.7	38.3	40.5	45.1	46.2	44.9	44.4	44.3	42.8	42.2	43.0	41.9	35.0
17	41.0	41.7	42.7	42.7	42.8	43.1	41.7	44.0	48.5	53.5	61.0	65.3	66.5	67.0	67.3	63.0	56.8	50.7	45.5	41.2	39.4	37.8	37.7	37.2	49.1
18	37.1	32.8	33.7	31.3	33.7	35.3	34.8	35.5	41.5	48.9	56.0	64.3	67.4	69.0	69.0	68.1	66.9	63.1	57.6	55.0	53.9	53.0	48.0	46.7	50.1
19	46.2	47.0	50.1	49.2	50.2	51.5	52.8	53.3	57.0	62.8	67.1	69.9	71.2	71.7	72.3	71.7	68.9	63.8	59.2	55.2	57.2	55.1	49.5	47.2	58.3
20	43.7	43.9	43.6	45.6	43.6	43.3	42.5	46.3	54.8	62.8	70.0	73.3	75.7	76.5	76.8	76.8	74.9	68.7	63.9	62.6	61.2	58.2	57.1	54.6	59.2
21	53.2	51.8	51.1	51.0	52.1	51.3	51.4	55.5	62.8	69.9	74.3	77.1	77.9	78.0	76.8	76.4	74.4	69.5	66.1	63.2	63.8	61.6	59.1	57.3	63.6
22	54.8	55.3	54.5	54.5	55.8	54.2	54.2	56.9	63.4	65.9	68.0	70.9	73.3	74.4	74.5	74.2	71.9	66.9	64.3	64.7	66.1	63.2	61.1	56.9	63.3
23	55.1	55.8	55.7	52.4	50.5	48.7	49.2	50.0	55.2	57.1	59.7	62.0	63.8	64.6	64.9	64.5	63.5	59.7	55.8	52.3	52.8	53.6	50.9	48.6	56.1
24	48.6	48.0	46.8	45.7	45.8	45.3	45.5	48.9	55.1	61.5	67.1	71.0	73.8	75.3	75.4	74.6	72.4	66.9	59.3	59.3	58.8	56.5	56.7	56.4	59.0
25	55.2	53.9	51.2	52.1	48.7	48.1	47.6	50.2	57.3	61.3	67.1	68.4	68.8	67.3	63.5	60.1	55.9	52.5	51.8	49.3	48.1	46.6	47.6	47.8	55.0
26	47.3	46.6	45.6	44.6	43.4	41.1	39.8	41.9	45.1	50.0	53.2	57.1	61.3	64.3	65.1	65.2	63.3	61.0	58.5	56.5	54.2	50.8	49.5	48.5	52.2
27	47.7	47.2	47.5	47.8	48.6	47.8	47.7	50.7	56.5	60.9	65.7	67.4	68.3	68.6	67.3	66.5	64.7	61.5	59.1	56.6	54.6	53.7	50.1	47.6	56.4
28	45.7	45.6	44.8	43.8	42.4	40.4	39.3	38.4	39.7	42.1	45.5	47.6	48.8	49.0	47.2	45.1	43.1	38.9	36.0	35.4	35.0	35.0	35.2	35.0	41.6
29	33.8	33.6	34.1	34.4	34.7	34.8	34.8	35.6	36.3	37.2	38.1	39.4	41.7	44.8	43.7	43.9	42.6	40.4	39.3	38.9	38.1	37.2	36.8	36.5	37.9
30	37.2	36.2	34.6	31.7	30.4	31.0	29.3	28.6	31.2	35.6	40.6	46.5	51.5	53.1	CAL	CAL	CAL	47.4	45.6	44.5	43.7	43.7	42.8	42.4	39.4
31	41.4	39.5	40.3	38.0	36.3	36.5	36.9	38.0	41.4	46.5	48.7	48.5	47.0	46.3	46.7	44.5	38.8	39.2	40.6	41.8	41.0	40.9	39.1	39.7	41.6
HOURLY																									
MEAN	46.8	46.2	45.6	45.0	44.3	43.7	43.4	45.8	50.5	55.1	59.2	62.1	64.0	65.2	65.5	64.7	62.7	58.8	56.0	53.6	51.9	50.2	48.6	47.2	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	81.8	81.1	82.5	74.2	60.0	57.0	44.2	60.6	60.9	63.1	76.7	78.2	81.0	59.5	64.0	46.2	67.3	69.0	72.3	76.8	78.0	74.5	64.9	75.4	68.8
MIN	50.6	51.3	50.8	51.5	47.2	43.4	31.6	25.8	42.7	33.6	46.9	45.1	42.8	37.0	29.1	23.0	37.2	31.3	46.2	42.5	51.0	54.2	48.6	45.3	46.6
DAY	26	27	28	29	30	31																			
MAX	65.2	68.6	49.0	44.8	53.1	48.7																			
MIN	39.8	47.2	35.0	33.6	28.6	36.3																			

MONTHLY AVERAGE = 53.1    MONTHLY MAXIMUM = 82.5    MONTHLY MINIMUM = 23.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 99.6%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :10/ 1/1992 TO :10/31/1992

BAROMETRIC PRESSURE (INCHES)  
OCTOBER - 1992

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
2	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
3	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7
4	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.7
5	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.9	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.9
6	25.0	25.0	25.0	25.0	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
7	24.9	24.9	24.9	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.0	25.0	24.9	24.9
8	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7
9	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.7
10	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.0	25.0	25.0	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
11	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
12	24.9	24.9	24.9	24.9	25.0	25.0	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8
13	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.7	24.8	24.6
14	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.8
15	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.9	24.9	25.0	25.0	25.0	25.0	25.0	25.0	24.8
16	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
17	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9
18	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9
19	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.8
20	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
21	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.8
22	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.1	25.1	25.0
23	25.1	25.1	25.1	25.1	25.1	25.1	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1
24	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.0	25.0	25.0	25.0	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.0
25	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8
26	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9
27	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8
28	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8
29	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
30	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
31	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.6
HOURLY																									
MEAN	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	25.0	24.9	24.8	24.8	25.0	25.0	25.0	24.9	24.9	25.0	24.9	25.0	24.8	24.8	25.0	25.0	25.0	25.0	24.9	24.9	24.9	25.1	25.2	25.1	24.9
MIN	24.9	24.8	24.6	24.6	24.9	24.8	24.9	24.6	24.6	24.9	24.8	24.7	24.5	24.6	24.7	24.9	24.8	24.8	24.7	24.8	24.7	24.9	25.1	24.9	24.8
DAY	26	27	28	29	30	31																			
MAX	24.9	24.8	24.8	24.7	24.6	24.7																			
MIN	24.8	24.7	24.7	24.6	24.5	24.5																			

MONTHLY AVERAGE = 24.8    MONTHLY MAXIMUM = 25.2    MONTHLY MINIMUM = 24.5  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :10/ 1/1992 TO :10/31/1992

PRECIPITATION (.01 INCHES)  
OCTOBER - 1992

DAY	HOUR																								DAILY TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	2	0	0	0	6
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	10

MONTHLY TOTAL (INCHES)= .18    MONTHLY MAXIMUM (INCHES)= .10  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE



ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 1 FROM :10/ 1/1992 TO :10/31/1992

RELATIVE HUMIDITY (PERCENT)  
OCTOBER - 1992

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	22.4	22.0	25.3	23.8	26.4	30.1	30.9	25.1	18.0	14.5	12.7	11.7	11.2	10.9	10.8	10.9	11.1	12.0	13.1	14.7	15.8	15.9	17.1	19.5	17.8
2	20.1	20.8	21.8	21.8	21.6	23.5	24.4	20.7	16.8	14.4	12.6	11.9	11.4	10.9	10.9	10.9	11.2	12.3	13.2	14.9	15.9	17.0	19.0	19.6	16.6
3	19.7	20.4	22.0	21.5	22.2	23.7	24.7	21.4	17.9	15.3	13.4	12.6	11.8	10.9	10.9	10.9	11.3	12.3	12.8	13.2	13.9	14.4	14.9	16.4	16.2
4	16.2	17.4	19.3	19.6	19.3	23.9	35.6	32.4	22.8	19.3	17.3	16.2	14.9	13.5	13.2	13.3	13.9	14.3	15.2	17.8	18.9	22.2	23.9	28.8	19.6
5	29.4	33.5	39.1	41.7	49.2	47.0	41.4	40.7	42.1	43.7	43.7	41.9	39.3	37.1	36.2	35.9	37.6	39.3	42.9	52.0	67.0	86.0	88.3	90.0	47.7
6	92.8	94.3	84.7	84.6	86.5	87.3	88.0	87.0	85.8	74.8	68.5	65.2	61.9	60.9	62.2	63.7	64.8	68.2	70.5	76.3	93.5	99.3	100.8	100.9	80.1
7	98.9	98.4	95.2	90.5	89.2	89.4	88.6	80.7	62.4	54.8	47.4	36.6	30.4	30.0	27.5	25.8	23.9	21.5	23.9	33.8	46.6	48.9	52.0	51.1	56.1
8	54.9	59.5	62.6	62.8	61.1	62.5	59.5	53.7	32.9	19.4	17.4	16.6	15.8	15.3	15.5	15.3	15.5	16.3	16.8	17.4	17.4	18.8	21.4	22.1	32.1
9	18.8	18.3	17.6	17.8	18.0	18.4	18.8	17.7	18.0	20.1	21.5	22.2	20.5	17.4	16.5	19.1	22.8	46.8	55.0	62.8	65.1	65.7	63.3	65.6	31.2
10	76.7	84.1	84.5	88.1	89.1	89.0	90.0	84.4	59.8	42.3	28.9	20.8	19.3	18.1	17.2	16.9	17.3	17.9	18.5	22.7	29.2	35.6	39.7	41.8	47.2
11	43.7	44.3	43.7	42.8	43.2	41.9	41.9	35.7	23.3	15.5	13.6	13.0	12.4	12.1	12.0	12.0	12.4	13.3	14.4	15.1	15.3	19.3	20.6	27.8	24.6
12	31.5	37.4	37.5	39.3	45.1	47.7	49.6	47.2	42.8	36.5	21.8	15.4	12.6	12.1	11.8	12.0	12.6	13.0	13.1	13.6	14.9	15.9	18.4	21.0	25.9
13	17.3	15.2	15.1	14.0	14.3	14.4	15.7	15.7	15.1	14.5	13.3	12.4	11.8	11.5	10.9	11.0	11.3	12.0	12.4	13.6	30.3	42.4	50.8	59.3	18.9
14	63.4	64.9	67.8	70.9	79.0	77.9	79.4	80.7	71.9	61.8	52.4	48.0	44.3	41.1	37.7	35.2	36.7	42.3	48.5	56.8	61.4	66.6	78.1	80.3	60.3
15	83.4	83.5	84.4	90.0	93.1	92.9	93.4	93.6	82.7	58.9	44.4	34.4	24.4	18.6	18.4	21.0	25.8	34.9	43.2	49.5	51.6	52.9	53.7	57.2	57.7
16	61.0	69.2	76.0	76.2	80.2	83.8	91.8	91.5	83.6	75.0	62.9	54.0	55.4	52.2	49.4	45.4	43.0	43.5	44.9	47.1	48.7	47.9	48.9	50.0	61.7
17	50.8	53.5	51.5	52.1	49.4	49.5	56.3	52.5	47.5	40.2	24.5	15.6	14.6	14.5	14.4	15.3	17.3	21.5	27.5	39.8	44.0	46.8	48.1	50.8	37.4
18	54.0	59.9	70.6	76.4	71.7	68.8	70.5	69.6	57.7	41.0	28.3	17.9	14.2	13.8	13.7	13.9	14.1	15.5	21.4	28.5	29.7	28.0	30.5	36.0	39.4
19	42.0	38.9	32.6	33.4	33.8	32.3	31.5	30.9	27.7	21.6	16.9	14.3	13.6	13.4	13.2	13.3	13.8	15.1	16.2	18.0	18.5	19.9	23.4	31.9	23.6
20	33.6	39.9	39.3	37.7	40.8	41.0	42.2	38.5	24.0	17.6	14.1	12.9	12.5	12.0	11.9	11.9	12.3	13.6	14.8	15.4	16.3	16.8	18.0	19.5	23.2
21	22.5	24.0	25.5	25.3	23.5	25.3	25.7	22.4	17.2	14.3	12.8	12.1	11.8	11.9	12.2	12.3	12.7	13.9	14.9	16.4	17.0	18.0	20.2	22.0	18.1
22	25.3	26.2	26.6	28.1	28.3	28.8	28.0	28.9	21.1	18.7	17.3	15.8	14.8	13.8	13.3	13.0	13.7	16.3	18.0	18.4	17.6	19.1	22.0	26.8	20.8
23	29.5	29.2	30.6	35.1	41.8	43.8	44.5	45.2	40.6	38.3	34.8	31.7	28.9	27.6	26.4	25.8	26.5	29.2	31.9	40.5	41.0	41.8	42.6	45.0	35.5
24	48.8	53.5	55.8	58.2	59.3	61.5	65.3	60.4	44.4	33.0	22.4	17.1	13.6	12.8	12.8	12.9	13.5	16.9	25.5	32.5	37.1	41.8	43.4	43.9	36.9
25	44.7	46.4	53.8	54.0	65.7	57.8	52.9	47.7	36.6	30.7	19.5	18.9	17.7	16.4	17.5	26.3	40.8	62.0	60.3	81.8	90.3	97.5	96.0	95.1	51.3
26	93.7	87.1	88.6	84.4	88.8	92.6	96.6	96.1	93.6	84.4	70.0	55.7	42.3	34.0	27.2	23.5	24.6	27.0	28.3	38.2	43.0	52.2	56.1	60.0	62.0
27	61.9	61.9	60.2	57.2	53.2	54.3	53.2	49.8	40.9	33.0	26.2	20.1	17.6	15.9	18.3	18.6	19.7	23.9	26.0	27.9	30.8	35.3	44.5	52.5	37.6
28	51.5	50.0	49.9	52.0	65.3	90.5	91.3	94.5	92.6	81.3	70.2	66.1	65.7	65.3	67.2	71.0	73.1	87.3	97.0	97.7	98.5	98.6	98.2	98.6	78.1
29	100.4	101.5	101.6	101.4	101.2	101.0	100.7	100.5	99.5	98.4	97.6	95.5	93.7	85.7	84.0	83.3	85.8	89.5	94.8	97.1	97.8	98.9	98.9	98.6	96.1
30	98.1	98.7	100.8	101.5	102.1	102.5	102.9	103.1	103.4	104.6	106.4	101.5	75.9	65.0	64.2	62.8	64.2	67.1	72.5	79.5	80.9	83.4	84.2	89.8	88.1
31	93.5	97.1	96.7	98.4	100.6	101.2	101.1	99.5	89.4	74.7	69.0	68.1	68.9	63.3	71.7	98.3	99.6	97.6	92.4	93.2	86.1	89.8	85.5	89.0	
HOURLY																									
MEAN	51.6	53.3	54.2	54.9	56.9	58.2	59.2	57.1	49.7	42.8	36.4	32.2	29.1	27.2	26.5	26.9	29.1	32.8	35.6	40.2	43.9	46.9	49.3	51.8	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	30.9	24.4	24.7	35.6	90.0	100.9	98.9	62.8	65.7	90.0	44.3	49.6	59.3	80.7	93.6	91.8	56.3	76.4	42.0	42.2	25.7	28.9	45.2	65.3	97.5
MIN	10.8	10.9	10.9	13.2	29.4	60.9	21.5	15.3	16.5	16.9	12.0	11.8	10.9	35.2	18.4	43.0	14.4	13.7	13.2	11.9	11.8	13.0	25.8	12.8	16.4
DAY 26 27 28 29 30 31																									
MAX	96.6	61.9	98.6	101.6	106.4	101.2																			
MIN	23.5	15.9	49.9	83.3	62.8	63.3																			

MONTHLY AVERAGE = 43.6    MONTHLY MAXIMUM = 106.4    MONTHLY MINIMUM = 10.8  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 1 FROM :10/ 1/1992 TO :10/31/1992

MAXIMUM WIND SPEED (MPH)  
OCTOBER - 1992

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	12.5	12.1	10.2	10.1	10.7	11.2	11.8	13.3	12.7	11.2	8.3	9.8	13.1	11.7	13.0	13.3	11.1	5.2	10.6	14.0	15.3	11.1	12.6	13.8	11.6
2	12.1	11.6	11.3	10.8	11.4	12.2	13.5	14.5	12.1	9.3	7.9	12.8	11.9	12.5	10.4	11.8	10.7	11.0	14.7	15.8	10.6	11.1	11.3	13.0	11.8
3	13.1	11.1	8.4	12.9	11.5	11.5	11.2	11.4	9.3	6.5	8.3	13.1	19.0	17.3	21.7	24.9	27.4	23.4	26.9	27.9	21.9	19.1	15.8	9.3	15.9
4	13.3	12.5	12.8	9.3	8.7	9.4	7.5	8.8	8.5	10.8	13.6	16.3	17.1	18.7	14.1	13.1	9.6	30.3	25.1	12.2	11.6	18.6	16.1	10.5	13.7
5	7.0	3.3	5.6	8.2	12.4	11.8	11.8	10.3	15.0	17.0	17.2	18.2	16.3	15.5	12.8	14.0	12.5	7.9	11.8	11.3	12.4	11.9	5.1	4.3	11.4
6	5.3	5.9	7.9	9.6	9.7	8.8	11.1	8.6	9.3	9.1	10.7	14.2	20.9	20.8	23.2	23.6	22.5	16.7	19.0	19.1	20.6	20.9	16.7	45.0	15.8
7	46.7	44.9	41.1	34.4	25.6	17.0	14.5	23.6	35.7	38.2	36.4	40.0	37.6	39.5	38.8	37.1	40.0	34.1	25.6	10.8	8.5	12.3	9.3	9.1	29.2
8	10.2	10.6	11.2	12.1	11.6	10.2	11.8	12.5	9.6	10.0	10.9	16.8	14.0	27.3	31.7	29.3	23.8	11.8	6.5	9.1	16.9	16.0	13.6	11.2	14.5
9	15.1	10.3	11.8	9.7	12.8	12.8	12.3	16.3	21.5	22.2	20.0	19.9	26.5	35.5	31.2	22.5	25.8	24.3	12.2	8.1	7.0	10.1	7.7	9.3	16.9
10	10.4	10.5	11.2	10.1	9.6	9.2	7.1	6.2	6.2	11.2	19.0	18.3	15.7	11.6	11.9	10.8	8.7	7.3	8.4	13.6	13.2	11.9	11.4	15.3	11.2
11	15.5	15.5	16.4	15.4	16.9	15.5	15.8	15.8	11.2	12.4	11.3	13.6	13.2	22.9	20.2	16.8	11.2	9.8	11.9	11.1	12.3	9.1	11.0	10.6	14.0
12	11.5	6.5	7.7	6.0	6.0	7.3	9.1	8.6	9.1	8.6	9.8	9.5	12.4	36.0	32.4	26.0	26.1	15.5	14.1	12.6	10.6	11.8	10.1	13.6	13.4
13	16.1	15.6	10.0	22.0	9.3	10.1	13.8	13.5	16.5	7.9	12.0	13.1	13.1	13.6	14.1	24.9	28.4	25.9	27.4	39.6	39.9	25.1	15.4	8.2	18.1
14	3.9	5.7	7.4	9.6	11.5	11.2	10.2	7.2	11.2	19.1	18.5	18.4	14.4	14.8	13.7	15.0	17.3	12.0	11.4	10.1	11.3	12.0	8.8	9.0	11.8
15	6.3	5.8	5.2	7.8	8.2	8.7	11.7	7.8	10.3	11.5	16.3	17.8	20.7	26.2	34.9	33.3	24.8	20.6	19.5	16.5	9.8	7.7	8.8	9.5	14.6
16	9.0	8.3	5.8	6.2	8.6	7.6	8.6	7.8	7.8	7.1	11.1	12.2	11.1	6.6	10.0	9.8	7.6	7.3	11.8	11.8	9.1	10.8	13.9	12.0	9.2
17	10.7	11.5	14.4	10.6	10.2	12.0	11.4	10.2	10.6	12.7	15.4	21.3	20.0	17.8	19.7	32.1	27.5	22.3	11.8	10.5	7.4	7.0	7.5	7.7	14.3
18	8.1	6.8	5.1	8.4	8.9	7.7	5.0	5.3	7.8	12.6	12.7	11.8	7.4	8.0	9.2	14.8	14.1	8.7	9.1	10.7	9.7	8.9	9.1	9.8	9.1
19	11.3	11.9	11.8	12.6	12.6	13.1	10.5	11.1	12.0	11.8	14.1	19.4	20.4	13.4	15.5	17.1	15.4	11.2	14.0	15.4	10.9	10.2	12.7	8.0	13.2
20	9.0	3.0	11.4	10.6	11.6	11.7	11.7	10.6	17.5	15.2	11.0	14.4	13.4	11.1	10.8	12.0	9.1	12.8	14.0	12.4	15.5	17.1	14.4	13.5	12.2
21	12.4	13.6	12.6	11.7	11.6	13.2	13.0	15.8	18.8	14.6	13.0	21.4	25.8	29.6	26.8	29.1	24.1	14.9	20.4	13.9	12.8	9.4	12.6	12.2	16.8
22	14.9	16.6	14.3	16.0	13.3	13.4	12.5	10.4	12.9	8.8	6.1	8.6	10.9	10.9	14.1	11.5	8.5	13.7	12.2	10.6	8.3	10.2	7.7	5.7	11.3
23	6.1	6.9	6.1	9.6	9.6	8.6	10.7	8.1	11.1	14.1	13.1	12.9	13.3	11.6	8.1	9.0	6.8	7.4	9.0	10.5	10.0	10.6	11.5	11.5	9.8
24	8.8	8.3	9.6	10.8	10.8	9.8	9.2	10.0	11.5	8.9	8.8	10.6	10.8	13.5	11.9	13.5	11.0	19.0	12.7	12.4	13.1	11.8	9.3	9.7	11.1
25	12.4	10.4	6.6	7.9	8.7	8.6	11.5	9.4	9.9	7.1	16.4	24.9	29.9	29.3	28.1	26.0	19.4	16.0	19.2	19.0	16.6	10.1	10.6	8.6	15.3
26	9.6	9.8	9.9	10.5	11.8	11.0	10.3	6.9	8.0	5.4	8.8	10.1	10.6	8.1	12.1	10.0	6.8	8.1	9.0	10.3	12.7	12.8	12.8	14.7	10.0
27	12.6	13.7	14.7	11.7	16.1	12.8	16.3	15.7	14.2	11.5	7.6	11.0	11.8	11.6	15.9	16.0	13.8	15.8	18.3	16.6	9.5	9.6	8.5	10.5	13.2
28	12.2	15.1	9.1	8.9	10.0	9.0	13.5	12.8	13.5	16.9	12.0	10.6	17.4	21.9	25.4	28.5	25.5	26.7	22.3	16.7	9.5	6.3	5.7	6.6	14.8
29	6.7	3.5	3.9	3.3	3.4	5.7	4.7	4.9	4.6	4.2	6.2	6.6	6.8	11.6	13.3	13.8	13.6	11.9	7.0	3.9	5.4	3.5	5.1	7.2	6.7
30	7.2	7.1	5.3	11.1	10.9	6.5	7.3	6.7	6.8	7.0	9.3	14.0	13.8	19.2	18.3	13.8	13.0	12.5	9.6	5.8	7.7	5.7	10.9	7.7	9.9
31	8.5	8.1	4.7	7.2	5.3	5.7	6.3	6.2	7.5	7.2	15.1	16.7	20.8	25.3	23.8	19.3	20.2	11.6	10.6	7.9	7.9	7.7	7.2	7.7	11.2
HOURLY																									
MEAN	11.6	10.8	10.4	11.1	10.9	10.4	10.8	10.7	12.0	11.9	12.9	15.4	16.5	18.5	18.9	19.1	17.3	15.3	14.7	13.5	12.5	11.6	10.7	11.1	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	15.3	15.8	27.9	30.3	18.2	45.0	46.7	31.7	35.5	19.0	22.9	36.0	39.9	19.1	34.9	13.9	32.1	14.8	20.4	17.5	29.6	16.6	14.1	19.0	29.9
MIN	5.2	7.9	6.5	7.5	3.3	5.3	8.5	6.5	7.0	6.2	9.1	6.0	7.9	3.9	5.2	5.8	7.0	5.0	8.0	3.0	9.4	5.7	6.1	8.3	6.6
DAY 26 27 28 29 30 31																									
MAX 14.7 18.3 28.5 13.8 19.2 25.3																									
MIN 5.4 7.6 5.7 3.3 5.3 4.7																									

MONTHLY AVERAGE = 13.3    MONTHLY MAXIMUM = 46.7    MONTHLY MINIMUM = 3.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 1 FROM :10/ 1/1992 TO :10/31/1992

10M-2M TEMPERATURE DIFFERENCE  
OCTOBER - 1992

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5.1	3.4	6.2	7.3	5.5	4.7	2.9	-.2	-.7	-.7	-.8	-.8	-.9	-1.0	-.7	-.2	.4	3.4	10.0	6.8	4.1	4.5	4.7	4.3	2.8
2	5.5	6.1	5.4	4.6	4.9	4.8	2.3	-.2	-.7	-.7	-1.0	-1.0	-.9	-1.0	-.5	-.2	.5	3.1	6.4	5.4	5.9	6.3	5.8	4.4	2.7
3	4.9	5.5	4.2	6.0	5.5	4.6	3.0	-.1	-.6	-1.0	-1.0	-1.4	-1.2	-1.0	-1.0	-.5	.4	1.5	1.2	1.0	2.1	1.6	3.7	5.5	1.8
4	6.9	6.1	5.4	3.8	7.6	7.5	3.9	-.3	-.6	-.7	-1.0	-1.3	-1.2	-1.0	-.3	-.0	1.9	1.3	1.3	2.7	4.0	2.0	1.9	4.8	2.3
5	8.1	6.8	11.6	13.1	5.1	3.4	1.7	-.2	-.7	-1.3	-1.5	-1.6	-1.7	-1.4	-.9	-.5	.7	1.3	1.3	1.9	1.1	.6	1.1	1.2	2.1
6	1.0	1.3	1.9	1.5	.8	1.0	.5	.1	-.8	-1.1	-1.5	-1.3	-2.1	-1.3	-.9	-.4	-.2	.5	.2	.1	-.0	-.1	.1	.2	-.0
7	.3	.2	.2	.3	.3	.5	.5	-.3	-1.0	-1.4	-1.7	-1.7	-1.8	-1.0	-.9	-.2	.1	.6	1.0	1.8	3.5	7.4	5.9	10.4	1.0
8	7.1	5.8	7.3	3.8	6.1	6.8	4.2	-.2	-.6	-.9	-1.2	-1.5	-1.4	-1.8	-1.4	-.7	.2	3.8	4.1	6.7	4.4	2.6	2.3	1.7	2.4
9	4.2	5.2	6.2	3.2	3.2	4.8	3.6	1.1	-.6	-.3	-.3	-.1	-.0	-.4	-1.2	-.9	.3	.2	1.0	5.2	4.3	9.7	13.4	10.5	3.0
10	5.5	2.7	4.3	6.6	8.0	7.7	5.2	-.2	-.6	-.9	-1.1	-1.4	-1.5	-1.1	-.8	-.2	.3	5.3	11.8	8.4	4.8	3.2	3.5	2.3	3.0
11	2.8	2.8	3.1	2.1	2.7	3.4	2.0	-.0	-.5	-1.0	-1.4	-1.2	-1.3	-1.4	-1.2	-.8	.5	4.0	6.9	10.2	13.4	5.8	8.6	6.9	2.8
12	7.0	7.4	7.2	6.5	7.0	7.3	4.9	.1	-.7	-1.0	-.9	-.8	-1.3	-1.5	-1.1	.1	1.8	6.0	9.8	6.5	6.7	5.9	5.0	5.3	3.6
13	5.6	6.8	5.9	2.0	2.4	7.5	4.7	3.8	.6	-.1	-.2	-.4	-.5	-.6	-.7	-.3	.3	1.2	1.3	1.1	.4	.9	2.2	3.4	2.0
14	2.0	4.0	7.5	5.0	4.5	4.2	1.6	.2	-.6	-1.0	-1.4	-1.3	-1.2	-1.2	-.9	-.5	.3	2.1	2.6	3.1	4.4	3.8	3.7	5.2	1.9
15	5.2	6.1	6.7	5.9	3.6	6.2	5.1	-.1	-1.1	-.7	-1.0	-1.1	-.9	-1.0	-.5	-.2	.3	.7	.7	1.6	2.7	2.9	2.2	2.1	1.9
16	2.9	4.7	3.7	4.0	4.9	2.7	1.9	-.0	-.6	-.7	-1.4	-1.3	-.7	-.4	-.4	-.4	1.3	3.8	5.6	6.7	7.5	6.6	5.3	5.4	2.6
17	5.3	4.0	3.2	5.9	7.7	6.5	4.8	2.5	-1.1	-1.4	-1.4	-1.6	-1.4	-1.0	-.8	-.2	.3	1.4	1.9	1.4	3.1	2.7	3.7	4.6	2.1
18	4.9	4.2	2.7	4.9	4.7	3.5	2.9	.3	-.5	-.7	-1.0	-1.0	-.7	-.5	-.2	.2	.9	4.2	5.0	7.2	5.3	6.9	8.2	6.3	2.8
19	3.6	2.4	1.9	1.9	2.0	3.2	2.4	2.0	.0	-.2	-.9	-1.6	-1.7	-1.3	-.7	-.3	.9	5.9	3.2	4.1	3.9	5.8	5.5	6.7	2.0
20	8.7	6.4	7.8	6.9	6.0	4.8	3.8	.0	-.6	-.9	-.7	-1.0	-.9	-.7	-.5	-.0	2.0	8.1	4.1	4.6	4.9	2.1	2.4	4.1	3.0
21	3.5	3.7	3.6	5.3	5.6	5.3	4.2	.4	-.5	-.8	-.9	-.9	-1.3	-1.0	-.1	-.0	.7	2.5	1.8	4.1	5.2	9.3	8.8	5.8	2.7
22	4.1	3.7	2.6	3.0	3.6	3.9	3.0	.0	-.6	-.3	-.3	-.9	-1.3	-.8	-.5	.0	1.4	2.5	3.0	4.1	6.1	4.7	5.8	3.7	2.1
23	7.8	6.0	6.0	4.9	5.3	4.8	4.5	.3	-.6	-1.2	-1.2	-1.4	-1.0	-.8	-.6	-.1	1.3	3.8	3.4	4.1	6.6	5.2	5.5	3.7	2.8
24	5.0	5.5	6.3	5.5	4.7	5.1	4.9	.4	-.5	-.6	-.7	-.8	-.9	-.6	-.2	.2	1.3	3.1	4.8	4.7	2.7	4.5	4.1	4.3	2.6
25	4.2	4.9	4.2	7.1	5.8	7.8	5.6	1.7	-.4	-.2	-.8	-1.6	-1.3	-.4	-.0	-.1	.2	1.1	1.7	1.0	.9	.8	.9	.9	1.8
26	.9	2.0	4.3	4.0	4.0	4.3	2.2	.4	-.4	-.7	-.7	-.7	-.8	-.6	-.4	-.1	1.5	9.4	9.5	7.9	4.1	2.8	3.7	2.4	2.5
27	3.5	2.8	2.7	2.8	1.6	1.7	1.2	.0	-.5	-.5	-.7	-1.0	-.7	-.6	-.2	.1	.6	.8	.4	.4	1.1	1.7	2.9	2.0	.9
28	.5	.5	1.1	.8	.6	.5	.2	.1	-.1	-.5	-.7	-.7	-1.1	-1.7	-1.1	-.3	.1	.3	.2	.0	-.0	.0	.1	.1	-.1
29	.2	.1	.1	.1	.1	.1	.1	-.0	-.1	-.2	-.3	-.3	-.6	-.7	-.9	-.6	.1	1.0	2.5	1.9	2.2	2.7	5.1	4.8	.7
30	4.5	3.6	4.7	1.0	.1	.1	-.0	-.1	-.2	-.3	-.8	-.9	-1.1	-1.2	-1.0	-.2	.8	2.4	2.5	3.0	4.1	5.1	6.1	4.4	1.5
31	4.6	3.1	2.9	.9	.6	.3	.7	.5	-.1	-.4	-.9	-.7	.1	.2	.3	.1	.2	.6	1.2	2.6	2.7	4.3	5.5	6.7	1.5
HOURLY																									
MEAN	4.4	4.1	4.5	4.2	4.0	4.2	2.9	.4	-.5	-.7	-1.0	-1.1	-1.1	-.9	-.7	-.2	.7	2.8	3.6	3.9	3.9	3.9	4.4	4.3	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	10.0	6.4	6.0	7.6	13.1	1.9	10.4	7.3	13.4	11.8	13.4	9.8	7.5	7.5	6.7	7.5	7.7	8.2	6.7	8.7	9.3	6.1	7.8	6.3	7.8
MIN	-1.0	-1.0	-1.4	-1.3	-1.7	-2.1	-1.8	-1.8	-1.2	-1.5	-1.4	-1.5	-.7	-1.4	-1.1	-1.4	-1.6	-1.0	-1.7	-1.0	-1.3	-1.3	-1.4	-.9	-1.6
DAY	26	27	28	29	30	31																			
MAX	9.5	3.5	1.1	5.1	6.1	6.7																			
MIN	-.8	-1.0	-1.7	-.9	-1.2	-.9																			

MONTHLY AVERAGE = 2.1    MONTHLY MAXIMUM = 13.4    MONTHLY MINIMUM = -2.1  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 3 FROM :10/ 1/1992 TO :10/31/1992

SOLAR RADIATION (LANGLEYS/HR)  
OCTOBER - 1992

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	.0	.0	.0	.0	.0	.0	.1	.4	.6	.9	1.1	1.1	1.1	1.0	.8	.5	.2	.0	-.0	.0	.0	.0	.0	.0	.3
2	.0	.0	.0	.0	.0	.0	.1	.4	.6	.9	1.0	1.1	1.1	1.0	.8	.5	.2	.0	-.0	.0	.0	.0	.0	.0	.3
3	.0	.0	.0	.0	.0	.0	.1	.3	.6	.9	1.1	1.1	1.1	1.0	.8	.5	.2	.0	.0	.0	.0	.0	.0	.0	.3
4	.0	.0	.0	.0	.0	.0	.1	.3	.6	.9	1.0	1.1	1.1	.9	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3
5	.0	.0	.0	.0	.0	.0	.1	.3	.6	.8	1.0	1.1	1.0	.8	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.3
6	.0	.0	.0	.0	.0	.0	.0	.1	.4	.8	.7	.9	1.0	.6	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0	.3	.6	.8	.9	1.0	1.1	.5	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.3
8	.0	.0	.0	.0	.0	.0	.1	.4	.6	.8	1.0	1.1	1.1	1.0	.8	.5	.2	.0	-.0	.0	.0	.0	.0	.0	.3
9	.0	.0	.0	.0	.0	.0	.0	.1	.6	.3	.3	.2	.1	.3	.6	.5	.1	.0	.0	.0	.0	.0	.0	.0	.1
10	.0	.0	.0	.0	.0	.0	.1	.4	.6	.8	1.0	1.1	1.0	.9	.7	.4	.2	.0	.0	.0	.0	.0	.0	.0	.3
11	.0	.0	.0	.0	.0	.0	.1	.3	.6	.8	1.0	1.0	1.0	.9	.7	.4	.2	.0	.0	.0	.0	.0	.0	.0	.3
12	.0	.0	.0	.0	.0	.0	.1	.3	.5	.8	.9	1.0	1.0	.9	.7	.3	.1	.0	.0	.0	.0	.0	.0	.0	.3
13	.0	.0	.0	.0	.0	.0	.0	.1	.2	.4	.5	.6	.8	.8	.7	.4	.2	.0	.0	.0	.0	.0	.0	.0	.2
14	.0	.0	.0	.0	.0	.0	.0	.2	.4	.7	.9	1.0	1.0	.9	.6	.4	.1	.0	.0	.0	.0	.0	.0	.0	.3
15	.0	.0	.0	.0	.0	.0	.1	.3	.5	.7	.9	1.0	.9	.9	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.3
16	.0	.0	.0	.0	.0	.0	.0	.1	.3	.3	.8	.7	.3	.2	.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	.1
17	.0	.0	.0	.0	.0	.0	.0	.2	.5	.7	.9	1.0	1.0	.8	.6	.4	.1	.0	.0	.0	.0	.0	.0	.0	.3
18	.0	.0	.0	.0	.0	.0	.0	.1	.4	.8	1.0	1.0	.7	.6	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.2
19	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	.6	.9	1.0	.8	.6	.4	.1	.0	.0	.0	.0	.0	.0	.0	.2
20	.0	.0	.0	.0	.0	.0	.0	.2	.5	.7	.9	1.0	.9	.8	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.3
21	.0	.0	.0	.0	.0	.0	.0	.2	.5	.7	.9	1.0	.9	.7	.3	.3	.1	.0	-.0	.0	.0	.0	.0	.0	.2
22	.0	.0	.0	.0	.0	.0	.0	.2	.5	.4	.6	.8	.9	.8	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.2
23	.0	.0	.0	.0	.0	.0	.0	.2	.4	.7	.9	.9	.9	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
24	.0	.0	.0	.0	.0	.0	.0	.2	.5	.7	.9	.9	.9	.8	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.2
25	.0	.0	.0	.0	.0	.0	.0	.2	.3	.4	.7	.9	.8	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2
26	.0	.0	.0	.0	.0	.0	.0	.2	.5	.7	.8	.9	.9	.8	.6	.3	.1	-.0	.0	.0	.0	.0	.0	.0	.2
27	.0	.0	.0	.0	.0	.0	.0	.3	.5	.6	.9	.9	.9	.7	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
28	.0	.0	.0	.0	.0	.0	.0	.1	.2	.6	.7	.4	.6	.8	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
29	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.3	.5	.6	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1
30	.0	.0	.0	.0	.0	.0	.0	.1	.3	.5	.7	.8	.8	.6	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2
31	.0	.0	.0	.0	.0	.0	.0	.1	.3	.5	.8	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
HOURLY MEAN	.0	.0	.0	.0	.0	.0	.0	.2	.5	.6	.8	.9	.9	.7	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1	.6	1.1	1.0	1.0	.8	1.0	1.0	.8	1.0	1.0	1.0	1.0	1.0	.9	.9	.9	.9
MIN	-.0	-.0	.0	.0	.0	.0	.0	-.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	.0	.0

  

DAY	26	27	28	29	30	31
MAX	.9	.9	.8	.6	.8	.8
MIN	-.0	.0	.0	.0	.0	.0

MONTHLY AVERAGE = .2    MONTHLY MAXIMUM = 1.1    MONTHLY MINIMUM = -.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :10/ 1/1992 TO :10/31/1992

OZONE (PPB)  
OCTOBER - 1992

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	21	25	27	21	23	12	7	12	18	35	48	57	67	65	63	63	63	55	34	25	18	16	17	20	34
2	22	26	30	30	28	16	10	15	20	34	55	66	71	73	71	72	66	55	45	25	21	8	3	7	36
3	16	12	23	23	19	22	18	19	25	42	49	58	63	59	57	55	53	51	47	42	40	38	38	31	37
4	17	12	18	22	21	13	6	14	24	41	50	50	52	53	52	52	47	48	48	50	47	41	36	32	35
5	29	38	23	10	12	12	17	20	29	35	39	41	41	43	43	42	37	28	26	23	23	23	25	27	29
6	20	16	18	22	20	16	14	17	13	24	30	35	38	39	35	33	31	27	25	24	24	22	21	20	24
7	21	20	20	24	23	20	16	18	23	26	30	33	33	33	35	36	35	34	29	24	22	19	11	1	24
8	1	1	1	1	1	1	2	6	16	31	36	41	44	45	44	44	41	24	9	8	14	1	5	11	18
9	16	18	28	30	31	14	5	20	28	33	34	34	37	41	42	40	37	34	31	28	16	2	1	1	25
10	2	1	1	3	7	6	4	9	16	33	40	43	45	47	48	50	50	50	35	10	9	17	18	18	23
11	17	22	26	26	18	11	5	14	18	31	34	36	39	38	36	36	39	37	28	22	16	12	3	1	24
12	5	1	1	1	1	1	3	4	10	13	22	35	36	37	31	29	22	6	1	1	1	1	1	1	11
13	8	20	15	25	23	22	1	2	3	12	21	28	34	36	36	32	29	26	28	28	23	21	20	17	21
14	15	16	17	4	2	1	1	4	12	20	22	CAL	30	31	32	31	27	23	21	22	13	8	10	9	16
15	8	9	6	1	1	3	3	5	20	25	27	34	41	44	38	35	35	31	27	22	22	22	23	23	21
16	20	19	14	12	8	1	1	5	12	14	20	22	19	19	17	9	3	1	1	1	1	1	1	1	9
17	1	1	9	9	12	9	6	11	13	22	39	45	46	49	53	41	38	33	26	17	21	17	14	16	23
18	14	11	3	1	1	1	1	7	9	19	28	39	45	47	48	45	41	32	19	4	1	1	1	1	17
19	1	1	10	10	10	3	1	1	4	7	26	43	44	47	49	49	45	24	23	16	16	4	13	9	19
20	11	1	1	1	1	1	1	5	12	22	32	44	48	50	52	51	44	28	23	17	21	22	28	19	22
21	17	18	23	23	20	9	3	9	18	32	42	45	44	40	34	33	28	26	27	19	13	1	1	1	22
22	3	11	12	15	15	1	1	4	8	10	13	15	29	35	40	42	36	26	18	13	23	21	3	1	16
23	4	4	8	2	1	1	1	4	9	25	36	42	45	46	CAL	CAL	41	34	23	11	8	1	1	1	16
24	1	9	13	7	3	3	3	13	18	28	42	47	48	49	48	44	35	29	29	28	25	12	13	13	23
25	13	13	6	8	9	3	1	6	17	17	36	41	42	38	36	35	33	27	25	27	25	17	3	1	20
26	8	11	11	11	12	10	3	5	8	14	20	29	32	CAL	CAL	CAL	CAL	CAL	13	2	1	1	1	2	10
27	9	13	16	17	18	16	11	9	14	17	29	36	41	43	44	CAL	CAL	30	32	28	27	29	16	20	23
28	13	24	24	24	22	23	23	22	23	27	29	32	32	32	32	28	CAL	CAL	20	23	22	20	17	17	24
29	14	12	11	13	10	12	10	8	5	7	7	9	13	16	10	9	3	1	1	1	1	1	1	1	7
30	1	1	1	1	1	1	1	3	5	7	9	13	18	22	24	21	9	1	2	1	1	1	1	2	6
31	3	2	1	1	1	1	1	2	3	12	25	28	29	34	35	26	27	29	21	14	18	15	13	6	15
HOURLY																									
MEAN	11	13	13	13	12	8	6	9	15	23	31	37	40	42	41	39	36	29	24	19	17	13	11	11	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	67	73	63	53	43	39	36	45	42	50	39	37	36	32	44	22	53	48	49	52	45	42	46	49	42
MIN	7	3	12	6	10	13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
DAY	26	27	28	29	30	31																			
MAX	32	44	32	16	24	35																			
MIN	1	9	13	1	1	1																			

MONTHLY AVERAGE = 21.1    MONTHLY MAXIMUM = 73.1    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 98.4%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :10/ 1/1992 TO :10/31/1992

OZONE (PPB)  
OCTOBER - 1992

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	21	25	27	21	23	12	7	12	18	35	48	57	67	65	63	63	63	55	34	25	18	16	17	20	34
2	22	26	30	30	28	16	10	15	20	34	55	66	71	73	71	72	66	55	45	25	21	8	3	7	36
3	16	12	23	23	19	22	18	19	25	42	49	58	63	59	57	55	53	51	47	42	40	38	38	31	37
4	17	12	18	22	21	13	6	14	24	41	50	50	52	53	52	52	47	48	48	50	47	41	36	32	35
5	29	38	23	10	12	12	17	20	29	35	39	41	41	43	43	42	37	28	26	23	23	23	25	27	29
6	20	16	18	22	20	16	14	17	13	24	30	35	38	39	35	33	31	27	25	24	24	22	21	20	24
7	21	20	20	24	23	20	16	18	23	26	30	33	33	33	35	36	35	34	29	24	22	19	11	1	24
8	1	1	1	1	1	1	2	6	16	31	36	41	44	45	44	44	41	24	9	8	14	1	5	11	18
9	16	18	28	30	31	14	5	20	28	33	34	34	37	41	42	40	37	34	31	28	16	2	1	1	25
10	2	1	1	3	7	6	4	9	16	33	40	43	45	47	48	50	50	50	35	10	9	17	18	18	23
11	17	22	26	26	18	11	5	14	18	31	34	36	39	38	36	36	39	37	28	22	16	12	3	1	24
12	5	1	1	1	1	1	3	4	10	13	22	35	36	37	31	29	22	6	1	1	1	1	1	1	11
13	8	20	15	25	23	22	1	2	3	12	21	28	34	36	36	32	29	26	28	28	23	21	20	17	21
14	15	16	17	4	2	1	1	4	12	20	22	CAL	30	31	32	31	27	23	21	22	13	8	10	9	16
15	8	9	6	1	1	3	3	5	20	25	27	34	41	44	38	35	35	31	27	22	22	22	23	23	21
16	20	19	14	12	8	1	1	5	12	14	20	22	19	19	17	9	3	1	1	1	1	1	1	1	9
17	1	1	9	9	12	9	6	11	13	22	39	45	46	49	53	41	38	33	26	17	21	17	14	16	23
18	14	11	3	1	1	1	1	7	9	19	28	39	45	47	48	45	41	32	19	4	1	1	1	1	17
19	1	1	10	10	10	3	1	1	4	7	26	43	44	47	49	49	45	24	23	16	16	4	13	9	19
20	11	1	1	1	1	1	1	5	12	22	32	44	48	50	52	51	44	28	23	17	21	22	28	19	22
21	17	18	23	23	20	9	3	9	18	32	42	45	44	40	34	33	28	26	27	19	13	1	1	1	22
22	3	11	12	15	15	1	1	4	8	10	13	15	29	35	40	42	36	26	18	13	23	21	3	1	16
23	4	4	8	2	1	1	1	4	9	25	36	42	45	46	CAL	CAL	41	34	23	11	8	1	1	1	16
24	1	9	13	7	3	3	3	13	18	28	42	47	48	49	48	44	35	29	29	28	25	12	13	13	23
25	13	13	6	8	9	3	1	6	17	17	36	41	42	38	36	35	33	27	25	27	25	17	3	1	20
26	8	11	11	11	12	10	3	5	8	14	20	29	32	CAL	CAL	CAL	CAL	CAL	13	2	1	1	1	2	10
27	9	13	16	17	18	16	11	9	14	17	29	36	41	43	44	CAL	CAL	30	32	28	27	29	16	20	23
28	13	24	24	24	22	23	23	22	23	27	29	32	32	32	32	28	CAL	CAL	20	23	22	20	17	17	24
29	14	12	11	13	10	12	10	8	5	7	7	9	13	16	10	9	3	1	1	1	1	1	1	1	7
30	1	1	1	1	1	1	1	3	5	7	9	13	18	22	24	21	9	1	2	1	1	1	1	2	6
31	3	2	1	1	1	1	1	2	3	12	25	28	29	34	35	26	27	29	21	14	18	15	13	6	15
HOURLY MEAN	11	13	13	13	12	8	6	9	15	23	31	37	40	42	41	39	36	29	24	19	17	13	11	11	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	67	73	63	53	43	39	36	45	42	50	39	37	36	32	44	22	53	48	49	52	45	42	46	49	42
MIN	7	3	12	6	10	13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
DAY	26	27	28	29	30	31																			
MAX	32	44	32	16	24	35																			
MIN	1	9	13	1	1	1																			

MONTHLY AVERAGE = 21.1    MONTHLY MAXIMUM = 73.1    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 98.4%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :10/ 1/1992 TO :10/31/1992

CARBON MONOXIDE (PPM)  
OCTOBER - 1992

HOUR																										DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	.4	.3	.3	.3	.3	.5	.9	1.4	1.4	.8	.5	.3	.2	.1	.1	.1	.1	.1	.1	.2	.2	.6	.6	.6	.5	.5
2	.3	.3	.3	.2	.2	.4	.8	1.2	1.1	.9	.5	.3	.2	.1	.1	.1	.1	.1	.1	.2	.5	.8	.9	.7	.4	
3	.4	.5	.3	.3	.4	.4	.4	.7	.7	.5	.3	.3	.2	.1	.1	.1	.1	.1	.1	.2	.1	.1	.1	.3	.3	
4	.4	.5	.4	.4	.3	.5	.7	.5	.5	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	
5	.1	.1	.2	.3	.2	.3	.3	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.3	.2	.2	.1	.2	.2	
6	.2	.1	.1	.1	.1	.1	.2	.1	.5	.3	.3	.2	.2	.1	.2	.2	.2	.3	.3	.3	.1	.1	.1	.1	.2	
7	.1	.2	.2	.2	.2	.2	.3	.3	.2	.3	.1	.2	.2	.2	.2	.2	.2	.2	.3	.2	.2	.3	.4	.8	.3	
8	1.0	.8	.8	.6	.6	.7	1.2	2.2	1.5	.6	.4	.4	.3	.2	.2	.2	.3	.5	.9	.9	.7	1.0	.8	.5	.7	
9	.4	.4	.3	.2	.2	.3	.4	.4	.3	.1	.1	.1	.1	.2	.1	.1	.1	.1	.1	.1	.4	.6	.7	.9	.3	
10	1.6	1.1	.7	.3	.3	.3	.4	.7	.8	.5	.1	.1	.1	.1	.1	.1	.1	.1	.3	.6	.9	.5	.4	.4	.4	
11	.4	.3	.3	.2	.3	.3	.4	.6	.5	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.8	.5	.3	
12	.3	.6	.6	.5	.6	.6	1.6	1.7	1.1	1.1	.7	.8	.3	.3	.1	.2	.3	.6	1.1	1.1	2.1	1.4	.9	1.0	.8	
13	.5	.2	.3	.1	.1	.1	1.0	1.1	1.7	.6	.4	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.3	
14	.1	.1	.1	.2	.1	.5	1.0	.4	.1	.1	.1	CAL	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.1	.2	
15	.2	.2	.3	.4	.3	.3	.5	.8	.4	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	
16	.1	.1	.1	.1	.2	.3	.6	.4	.4	.3	.3	.2	.2	.3	.3	1.0	1.5	1.2	1.1	1.1	1.1	1.4	1.2	1.5	.6	
17	1.2	1.0	.5	.5	.4	.4	.6	.6	1.1	1.0	.5	.3	.2	.2	.2	.2	.2	.1	.1	.1	.1	.1	.2	.2	.4	
18	.2	.2	.3	.4	.4	.8	1.0	.5	.7	.7	.6	.4	.2	.3	.2	.2	.2	.3	.4	1.1	1.6	1.6	1.1	1.0	.6	
19	1.1	.8	.4	.4	.4	.5	1.0	1.7	1.8	1.7	.9	.3	.3	.2	.3	.2	.3	.3	.2	.2	.5	.7	.4	.5	.6	
20	.4	.5	.7	.8	.7	.8	1.2	1.8	1.3	.8	.6	.3	.3	.2	.2	.2	.2	.3	.3	.6	.4	.4	.3	.4	.6	
21	.4	.3	.3	.3	.3	.5	.8	1.3	.8	.5	.4	.3	.2	.2	.2	.3	.3	.5	.4	.3	.4	.6	1.1	1.2	.5	
22	.6	.4	.3	.3	.2	.7	.9	1.6	1.5	.8	.6	.5	.4	.3	.2	.2	.2	.3	.3	.4	.3	.3	.7	.9	.5	
23	.7	.7	.5	1.0	.7	.7	1.3	2.1	1.4	.4	.2	.2	.2	.2	CAL	CAL	.1	.1	.2	.3	.7	1.2	.9	.9	.7	
24	.7	.5	.4	.5	.5	.5	.6	.7	.6	.6	.4	.3	.2	.1	.1	.1	.1	.3	.2	.3	.3	.5	.4	.4	.4	
25	.4	.4	.5	.4	.4	.7	1.3	.9	.6	.5	.2	.2	.1	.1	.1	.1	.1	.2	.2	.2	.2	.3	.5	.4	.4	
26	.4	.2	.2	.2	.1	.1	.4	.5	.9	1.0	1.0	.8	.5	.3	.2	.1	.3	.1	.4	2.0	1.6	.9	.7	.6	.6	
27	.4	.3	.2	.1	.2	.2	.4	.6	.9	.7	.4	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	
28	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	CAL	CAL	CAL	CAL	CAL	.1	.1	.1	.1	.1	.1	
29	.1	.1	.1	.1	.1	.1	.1	.1	.2	.3	.4	.5	.5	.4	.4	.4	.3	.3	.4	.4	.4	.4	.4	.4	.3	
30	.8	.9	.8	.8	.5	.4	.4	.4	.5	.6	.6	.6	.5	.4	.5	.4	.5	.5	.5	.5	.6	1.1	1.1	1.9	.7	
31	3.3	2.9	2.3	2.2	1.2	.7	.5	.5	1.1	.7	.4	.2	.1	.1	.1	.2	.3	.1	.2	.3	.2	.3	.2	.4	.8	
HOURLY MEAN	.6	.5	.4	.4	.3	.4	.7	.8	.8	.6	.4	.3	.2	.2	.2	.2	.2	.2	.3	.3	.4	.5	.5	.5	.6	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	1.4	1.2	.7	.7	.3	.5	.8	2.2	.9	1.6	.8	2.1	1.7	1.0	.8	1.5	1.2	1.6	1.8	1.8	1.3	1.6	2.1	.7	1.3
MIN	.1	.1	.1	.1	.1	.1	.1	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.2	.2	.2	.1	.1	.1

DAY	26	27	28	29	30	31
MAX	2.0	.9	.1	.5	1.9	3.3
MIN	.1	.1	.1	.1	.4	.1

MONTHLY AVERAGE = .4 MONTHLY MAXIMUM = 3.3 MONTHLY MINIMUM = .1  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744 VALID DATA RECOVERY RATE = 98.9% OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :10/ 1/1992 TO :10/31/1992

SULFUR DIOXIDE (PPB)  
OCTOBER - 1992

DAY	HOUR																								DAILY
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	3	4	6	7	13	13	7	5	3	3	3	2	2	1	3	3	3	3	3	3	4
2	3	3	3	3	3	3	5	6	10	14	8	4	3	3	2	2	1	1	2	1	2	3	3	4	4
3	3	4	3	3	3	3	3	4	11	10	7	5	3	1	1	1	1	1	1	1	1	1	1	1	3
4	2	4	2	1	2	4	6	4	4	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
5	2	1	3	3	2	2	2	3	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2
6	1	2	1	1	1	1	1	2	3	3	6	5	3	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	4	4	5	3	2	3
8	3	3	3	3	3	3	5	7	6	5	4	7	3	1	1	1	1	1	1	1	2	3	3	3	3
9	8	9	5	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	2	3	3	2	3
10	3	3	2	2	1	1	2	3	5	4	3	2	2	2	2	3	2	2	3	3	3	2	2	2	3
11	3	3	2	2	3	6	8	9	14	8	3	2	3	3	1	1	2	1	1	1	2	2	4	3	4
12	3	4	5	6	6	4	12	15	23	67	16	5	3	7	1	1	1	14	17	14	11	9	9	5	11
13	4	3	6	4	6	5	7	7	16	5	3	2	1	2	3	2	1	1	1	1	1	1	1	1	3
14	1	1	1	2	2	3	3	3	3	CAL	CAL	2	2	1	2	2	2	1	1	1	1	1	1	1	2
15	2	2	3	2	2	2	2	4	2	3	3	3	3	3	3	2	1	1	1	1	1	1	1	1	2
16	1	1	1	1	1	3	3	3	3	2	3	2	2	3	4	14	23	13	9	13	9	8	5	6	6
17	5	4	3	3	3	3	3	5	9	8	4	3	1	1	2	2	2	2	1	3	3	3	3	2	3
18	1	1	3	3	4	5	5	3	11	14	9	5	2	2	1	1	1	2	3	8	11	15	8	8	5
19	11	10	7	4	3	4	6	7	22	26	5	3	4	2	2	2	2	3	3	2	3	3	3	3	6
20	3	4	4	6	16	13	8	7	7	4	3	2	2	2	2	2	1	2	2	3	3	5	6	5	4
21	3	3	3	3	3	3	5	6	6	3	3	2	1	2	2	2	2	5	3	3	5	6	6	5	4
22	4	3	3	3	3	11	10	17	21	27	23	36	19	9	4	2	3	3	4	5	3	3	5	6	9
23	5	5	5	10	7	7	11	17	12	4	2	2	2	2	CAL	CAL	2	2	2	3	4	4	4	4	5
24	3	3	3	3	3	3	4	4	6	5	3	3	2	2	2	1	2	3	3	3	3	3	4	4	3
25	4	3	4	4	3	5	9	6	10	9	8	4	2	2	2	1	1	2	1	2	2	13	13	5	
26	3	2	2	2	2	2	3	3	6	22	12	7	9	5	3	3	3	2	4	8	5	5	5	4	5
27	3	2	2	2	2	2	2	3	4	10	9	6	4	3	2	2	3	2	2	3	2	2	2	2	3
28	3	2	1	1	1	1	1	1	1	1	1	2	2	2	1	CAL	CAL	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	8	16	12	10	10	8	9	15	10	7	3	3	3	2	3	3	2	5
30	3	4	3	2	2	1	1	1	2	3	5	6	5	3	3	3	4	4	4	3	4	4	4	8	3
31	9	9	9	6	4	2	2	2	6	6	3	2	2	2	1	2	1	1	2	1	1	2	2	2	3
HOURLY MEAN	3	3	3	3	3	4	5	6	8	10	6	5	3	3	2	2	3	3	3	3	3	3	3	3	3

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	13	14	11	6	3	6	3	7	9	5	14	67	16	3	4	23	9	15	26	16	6	36	17	6	13
MIN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	2	1	1

  

DAY	26	27	28	29	30	31
MAX	22	10	3	16	8	9
MIN	2	2	1	1	1	1

MONTHLY AVERAGE = 3.9    MONTHLY MAXIMUM = 67.1    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 99.2%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE



ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :10/ 1/1992 TO :10/31/1992

NITRIC OXIDE (PPB)  
OCTOBER - 1992

.....DAILY																									
HOUR																									
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	3	3	3	3	3	21	43	48	20	11	7	4	5	6	5	5	4	4	4	9	3	3	3	9
2	3	2	3	2	2	3	14	29	38	20	8	4	4	5	5	5	5	4	4	4	4	4	5	4	7
3	3	3	3	2	3	3	6	19	18	10	7	5	4	5	5	5	5	5	5	4	4	4	3	3	6
4	3	3	3	3	3	14	31	18	14	5	3	3	4	6	3	3	3	3	3	3	3	3	3	3	6
5	2	2	2	2	3	2	4	7	5	4	3	3	3	4	3	3	3	3	2	3	2	2	2	2	3
6	2	2	2	2	2	2	3	4	19	9	8	5	4	4	3	3	3	3	1	2	1	1	1	2	4
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17	2
8	25	23	24	13	11	20	46	82	40	8	5	4	3	3	3	1	1	1	1	1	3	18	4	1	14
9	1	1	1	1	1	1	9	7	5	1	1	1	1	1	1	1	1	1	1	1	1	3	9	21	3
10	64	41	16	1	1	1	5	26	26	13	1	1	1	4	3	2	1	1	1	4	11	1	1	1	9
11	1	1	1	1	1	1	11	18	23	6	2	1	2	4	3	2	1	1	1	1	1	1	30	8	5
12	2	16	24	17	39	33	134	121	50	63	24	13	5	6	3	1	2	8	31	23	84	53	19	25	33
13	3	1	1	1	1	1	37	44	80	21	8	5	3	4	5	4	4	3	3	2	3	3	3	3	10
14	3	3	3	7	5	20	35	22	15	CAL	CAL	CAL	2	6	6	5	5	4	4	4	3	4	3	3	8
15	3	3	6	7	5	3	16	45	22	6	7	6	5	8	4	4	3	3	2	1	1	1	1	1	7
16	1	1	1	1	1	20	38	12	11	10	10	7	6	5	6	35	63	40	30	30	22	52	39	56	21
17	36	23	3	3	3	3	13	19	46	29	6	1	1	3	2	1	1	2	3	4	3	3	3	3	9
18	1	2	10	7	22	47	57	12	33	29	16	6	1	1	1	1	1	1	1	34	62	61	34	26	19
19	48	22	3	3	3	10	37	62	94	73	16	1	1	3	2	1	1	1	1	1	3	7	5	6	17
20	6	8	23	29	52	39	54	73	50	19	8	1	1	4	4	2	1	1	1	1	3	4	2	3	16
21	1	1	2	2	3	4	18	34	24	8	2	1	1	3	3	3	3	2	2	9	8	13	46	51	10
22	9	5	5	4	4	29	47	105	77	40	31	34	14	11	6	3	1	3	4	8	3	4	12	16	20
23	9	8	6	47	20	27	79	141	77	14	4	2	3	4	CAL	CAL	1	1	2	4	18	37	20	26	25
24	6	3	1	2	4	4	9	14	24	16	6	4	4	6	5	3	3	2	2	2	3	2	3	3	5
25	3	3	8	3	2	22	74	41	15	16	6	4	3	2	2	2	1	3	3	3	3	4	12	10	10
26	3	3	3	2	2	1	10	21	42	41	37	18	12	10	7	4	4	2	6	108	59	20	5	4	18
27	1	1	1	1	1	1	3	15	24	25	11	8	5	5	5	5	6	5	4	3	3	3	4	3	6
28	4	3	3	3	3	3	3	3	4	4	4	3	4	5	5	CAL	CAL	CAL	4	3	3	2	3	4	3
29	3	3	3	3	3	3	4	6	11	12	18	25	21	21	28	20	9	7	11	17	15	13	13	11	12
30	43	52	54	46	20	10	12	13	24	31	33	28	19	14	10	3	3	12	5	6	17	36	35	105	26
31	184	170	135	126	64	32	20	18	63	28	13	7	5	5	4	4	5	5	6	6	5	5	4	6	38
HOURLY																									
MEAN	15	13	11	11	9	12	27	35	33	19	10	7	5	5	5	5	5	4	5	10	12	12	11	14	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	48	38	19	31	7	19	17	82	21	64	30	134	80	35	45	63	46	62	94	73	51	105	141	24	74
MIN	2	2	2	3	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1
DAY	26	27	28	29	30	31																			
MAX	108	25	5	28	105	184																			
MIN	1	1	2	3	3	4																			

MONTHLY AVERAGE = 12.3    MONTHLY MAXIMUM = 183.5    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 98.9%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :10/ 1/1992 TO :10/31/1992

NITROGEN DIOXIDE (PPB)  
OCTOBER - 1992

DAY	HOUR																								DAILY
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	24	20	17	23	22	36	47	52	61	41	33	24	10	7	6	6	5	6	18	20	34	36	32	26	25
2	24	20	15	15	18	31	44	46	53	41	25	16	11	8	7	5	5	6	8	21	28	42	45	39	24
3	26	31	19	19	26	22	27	34	33	25	19	16	11	4	3	3	2	4	7	8	6	6	5	10	15
4	22	29	22	17	20	28	38	26	23	8	3	3	3	3	2	3	4	5	4	3	4	6	6	8	12
5	13	8	18	27	21	19	16	15	8	6	3	3	2	2	2	3	5	13	12	15	11	12	12	8	11
6	10	15	10	6	6	7	10	10	18	13	13	10	7	6	7	7	9	12	13	12	6	5	6	5	9
7	3	3	2	4	3	5	8	7	3	2	2	1	2	1	1	2	3	5	7	7	9	12	22	34	6
8	34	34	32	33	32	32	35	42	39	18	13	12	7	3	2	3	5	22	42	42	33	50	41	28	26
9	27	25	14	10	7	22	35	23	11	6	5	4	4	4	3	3	4	3	4	5	20	32	35	36	14
10	34	30	26	22	18	17	19	26	31	21	5	3	3	4	4	6	6	6	18	36	41	24	21	21	18
11	23	17	13	12	20	27	36	31	30	13	5	4	5	3	1	1	2	3	7	10	17	17	34	29	15
12	21	30	32	31	32	30	37	39	38	52	35	30	12	13	3	5	12	31	43	42	47	44	40	37	31
13	26	11	16	7	10	10	35	38	41	26	16	9	3	4	7	5	4	7	5	5	3	3	4	6	13
14	8	8	6	19	16	19	22	18	12	CAL	CAL	CAL	5	4	4	5	5	5	4	3	12	15	12	14	10
15	17	15	21	26	23	21	21	22	17	8	11	10	6	5	4	3	3	3	4	7	6	6	4	4	11
16	3	3	8	9	13	24	23	19	15	14	11	10	12	13	17	41	60	53	48	55	55	51	43	42	27
17	40	39	28	30	26	30	34	32	40	36	16	5	4	4	4	4	4	4	5	12	6	10	13	9	18
18	9	10	22	24	29	33	33	23	29	29	25	13	4	5	3	3	2	7	21	50	62	59	48	45	24
19	44	42	30	29	26	38	44	48	50	55	30	5	6	3	4	3	4	19	13	18	26	40	22	28	26
20	21	34	36	42	41	40	37	41	44	26	17	5	4	5	5	4	4	10	15	26	22	19	12	21	22
21	20	20	12	11	15	30	41	40	35	17	9	4	3	3	5	5	11	20	14	19	28	43	43	41	20
22	32	21	20	16	18	36	37	41	46	39	36	38	22	14	8	5	9	17	24	31	19	19	44	47	27
23	39	38	34	43	37	36	42	45	45	19	6	4	3	3	CAL	CAL	5	9	13	25	34	47	42	39	28
24	38	28	22	28	35	35	36	29	34	28	13	10	5	3	3	4	7	15	10	11	15	27	24	24	20
25	22	20	31	28	22	34	47	40	31	30	11	7	4	3	4	4	5	8	10	8	10	15	35	35	19
26	23	15	15	14	12	11	20	19	27	39	46	30	22	11	7	8	15	10	30	50	48	43	39	36	25
27	22	17	12	12	11	13	18	23	27	28	19	13	6	5	6	5	11	8	6	10	8	6	15	8	13
28	14	4	6	4	5	4	3	4	7	4	3	3	4	4	4	CAL	CAL	CAL	7	4	3	5	7	7	5
29	6	8	8	7	10	6	9	14	19	18	21	26	23	21	26	24	26	23	25	26	25	26	26	24	18
30	26	24	23	20	19	17	15	13	13	19	24	24	21	18	19	24	34	41	38	38	40	44	42	47	27
31	48	44	44	35	25	21	19	18	33	29	18	13	9	7	7	11	13	11	15	20	11	15	14	27	21
HOURLY MEAN	23	21	20	20	20	24	29	28	29	24	16	12	8	6	6	7	10	13	16	21	22	25	25	25	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	61	53	34	38	27	18	34	50	36	41	36	52	41	22	26	60	40	62	55	44	43	47	47	38	47
MIN	5	5	2	2	2	5	1	2	3	3	1	3	3	3	3	3	4	2	3	4	3	5	3	3	3

  

DAY	26	27	28	29	30	31
MAX	50	28	14	26	47	48
MIN	7	5	3	6	13	7

MONTHLY AVERAGE = 18.8    MONTHLY MAXIMUM = 61.8    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 98.9%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :10/ 1/1992 TO :10/31/1992

NITROGEN OXIDES (PPB)  
OCTOBER - 1992

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	28	24	20	27	25	40	69	96	110	62	45	32	15	13	12	12	12	12	23	25	44	40	36	30	35
2	27	23	19	18	21	35	58	76	92	62	33	21	15	14	13	11	11	11	12	26	33	47	51	43	32
3	30	35	22	22	29	25	34	53	52	37	27	22	16	9	9	10	9	10	13	13	11	11	9	14	22
4	26	33	25	21	24	43	70	45	38	14	7	7	7	10	7	7	7	9	16	15	19	14	16	15	15
5	16	11	21	30	25	23	22	23	14	11	7	6	6	7	7	7	9	16	15	16	15	9	8	9	14
6	14	18	13	10	9	11	14	15	39	23	22	16	12	10	11	12	13	15	16	15	9	8	9	8	14
7	6	4	1	3	1	3	7	7	3	1	1	1	3	3	3	3	3	4	6	7	9	11	22	52	7
8	60	58	57	46	44	53	82	125	81	27	19	17	11	7	6	5	6	6	5	6	7	23	36	44	18
9	27	26	15	11	8	24	44	31	17	8	7	6	6	6	5	6	6	5	6	7	23	36	44	58	18
10	99	72	43	23	19	18	25	53	58	35	8	5	6	9	8	9	9	8	21	41	53	26	23	22	29
11	24	19	14	13	21	29	47	50	55	20	9	7	8	8	6	5	5	5	9	13	19	19	65	37	21
12	24	47	57	49	72	64	173	162	90	117	60	44	18	20	7	8	15	40	75	66	133	98	60	63	65
13	30	13	18	8	12	12	74	83	123	48	25	15	7	9	13	10	9	11	9	8	7	8	8	10	24
14	12	12	10	27	22	40	58	41	27	CAL	CAL	CAL	8	11	12	12	11	10	9	8	16	20	16	18	19
15	21	19	28	34	29	25	38	69	41	15	19	17	12	14	9	8	7	7	7	9	7	8	6	6	19
16	5	6	10	11	15	45	62	32	27	25	22	17	19	18	24	77	124	95	79	87	78	104	83	99	48
17	77	64	31	34	29	34	48	52	87	67	23	7	6	7	7	5	6	8	9	17	10	14	17	12	28
18	12	14	33	32	51	82	92	36	64	59	42	19	6	7	5	4	3	7	23	85	125	122	83	73	45
19	94	65	34	33	30	49	82	111	146	130	47	7	9	7	7	5	6	20	14	21	31	49	28	36	44
20	29	43	60	72	94	80	92	116	95	46	26	7	6	10	9	7	7	13	16	29	26	24	15	25	39
21	22	22	15	14	19	35	60	75	61	26	13	7	5	7	8	9	15	24	17	28	37	57	90	93	32
22	42	27	26	21	23	66	85	148	125	80	67	73	36	25	15	9	12	21	29	40	23	24	56	64	47
23	48	47	41	91	58	64	122	188	123	34	12	8	6	8	CAL	CAL	7	11	16	30	53	85	63	66	54
24	45	32	24	31	40	40	47	44	59	45	20	15	10	10	9	8	10	18	13	14	18	30	28	28	27
25	26	24	40	32	25	58	122	83	47	47	18	12	8	7	8	7	8	12	14	12	14	21	48	46	31
26	27	19	19	17	15	14	31	41	70	81	84	49	35	22	14	12	20	13	37	160	109	64	46	40	43
27	27	19	19	17	15	14	31	41	70	81	84	49	35	22	14	12	20	13	37	160	109	64	46	40	43
28	19	8	10	7	8	7	7	8	12	9	7	7	9	10	10	CAL	CAL	CAL	11	8	7	9	11	12	9
29	10	11	12	11	14	10	13	21	30	31	40	52	45	43	55	45	36	31	37	44	41	40	39	37	31
30	71	77	78	66	40	28	28	27	38	51	58	54	41	33	29	28	38	54	44	45	58	81	78	154	54
31	234	216	182	163	91	54	40	37	98	58	32	20	15	12	12	16	18	17	21	27	17	21	19	33	61
HOURLY MEAN	40	36	32	32	30	36	57	64	64	44	28	20	13	13	12	13	15	18	21	31	35	38	37	40	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	110	92	53	70	30	39	52	125	58	99	65	173	123	58	69	124	87	125	146	116	93	148	188	59	122
MIN	12	11	9	7	6	8	1	5	5	5	5	7	7	8	6	5	5	3	5	6	5	9	6	8	7

  

DAY	26	27	28	29	30	31
MAX	160	54	19	55	154	234
MIN	12	11	7	10	27	12

MONTHLY AVERAGE = 32.1    MONTHLY MAXIMUM = 234.3    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 98.9%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :11/ 1/1992 TO :11/30/1992

10M WIND SPEED (MPH)  
NOVEMBER - 1992

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	4.2	5.8	3.3	2.9	4.6	6.1	6.2	5.1	4.4	7.1	5.9	4.3	4.5	6.8	16.0	19.3	14.6	8.9	7.2	8.1	7.8	6.6	8.6	11.3	7.5
2	10.6	11.0	6.1	5.1	9.4	4.4	7.6	13.3	13.9	13.3	11.1	CAL	CAL	CAL	CAL	CAL	CAL	CAL	5.4	6.4	7.3	4.8	4.8	2.8	8.1
3	7.5	2.7	3.3	4.4	3.0	6.0	4.7	2.6	8.6	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	16.8	13.1	17.2	18.6	17.8	18.4	11.6	9.8
4	4.2	1.7	1.2	6.8	6.0	5.4	3.5	5.1	9.3	11.8	11.0	8.5	8.1	7.3	9.5	9.0	8.6	9.0	7.8	7.8	7.8	5.9	3.9	4.1	6.8
5	5.1	3.9	3.5	2.8	3.7	4.8	1.9	3.2	3.3	5.2	4.6	2.1	5.1	6.7	6.0	5.7	3.9	5.4	5.6	5.1	5.7	5.7	5.5	5.0	4.6
6	7.6	5.7	4.6	5.7	5.1	4.8	5.2	4.9	4.5	4.7	3.7	4.1	6.4	6.2	8.6	9.4	7.2	8.0	8.8	10.3	7.0	7.6	9.5	8.3	6.6
7	8.7	7.5	8.5	6.5	5.9	5.8	5.5	4.4	3.9	5.2	8.1	9.3	8.4	8.1	8.1	11.0	8.9	1.9	3.7	7.3	7.6	7.4	8.8	9.1	7.1
8	8.2	7.4	4.3	6.9	6.8	2.9	4.6	3.4	7.6	10.9	8.2	5.1	5.9	4.5	3.2	2.6	4.2	3.7	9.9	9.7	8.8	7.9	10.7	8.9	6.5
9	6.5	5.7	7.3	7.7	5.5	3.9	6.1	8.1	5.2	9.2	7.8	8.2	10.5	11.8	12.2	8.4	7.1	11.0	12.2	11.4	11.1	9.2	11.4	13.2	8.8
10	6.9	8.6	10.4	14.2	5.8	5.8	11.2	14.7	12.8	11.7	12.8	15.1	15.2	11.6	20.5	17.2	11.1	8.4	7.3	7.0	3.7	1.9	2.4	3.2	10.0
11	5.5	5.2	5.5	3.7	2.5	6.0	5.4	2.9	3.2	4.1	5.4	5.5	5.1	4.6	2.4	4.7	3.2	3.6	5.6	5.7	7.0	7.2	3.4	3.3	4.6
12	4.0	5.2	11.2	10.0	10.4	11.3	8.1	8.4	10.0	12.0	12.1	10.2	7.6	3.2	2.8	4.1	3.2	6.4	10.6	6.9	2.6	2.6	6.5	8.3	7.4
13	9.6	9.7	6.9	10.2	7.6	6.0	3.3	4.7	8.3	7.2	4.2	8.1	7.3	6.6	5.6	8.2	8.8	5.8	8.7	7.9	10.4	8.8	7.0	7.3	7.4
14	7.6	4.8	4.0	4.7	3.1	1.8	1.8	5.4	8.3	10.6	10.5	14.4	13.8	12.3	9.6	8.9	9.4	10.4	10.9	8.9	8.6	7.9	6.9	6.0	7.9
15	6.8	6.1	6.7	8.1	8.9	9.2	8.6	9.1	10.5	10.8	9.3	6.1	3.4	6.0	7.3	7.3	6.7	11.3	8.6	10.5	8.3	8.0	10.0	8.6	8.2
16	8.1	8.6	12.8	11.4	9.6	10.9	10.1	10.2	11.0	8.7	6.0	3.4	2.4	3.3	6.3	5.7	6.1	6.2	3.2	3.1	3.1	2.7	2.9	5.1	6.7
17	2.8	6.0	7.8	5.9	6.8	4.5	4.6	5.0	5.6	7.4	5.4	3.4	3.5	4.6	10.8	CAL	CAL	8.7	6.3	4.0	4.4	4.8	3.9	6.1	5.6
18	6.5	4.1	5.8	5.8	6.0	3.3	2.8	3.7	2.9	2.8	3.1	6.3	CAL	CAL	CAL	4.5	4.9	6.5	7.7	10.1	8.0	4.8	5.1	6.3	5.3
19	4.1	1.5	.9	1.7	1.8	1.8	2.9	3.1	1.4	1.9	3.2	2.7	3.5	4.3	7.2	7.7	9.4	8.7	4.1	6.5	7.3	7.2	2.8	2.6	4.1
20	3.6	5.3	5.2	3.4	3.7	3.1	3.7	4.3	5.5	5.0	5.4	7.1	9.9	9.4	9.4	10.4	13.7	11.7	11.7	10.7	9.5	11.6	14.1	15.1	8.0
21	12.2	13.7	14.6	14.2	12.9	11.8	9.1	6.9	4.8	2.9	5.3	4.7	2.5	1.5	1.3	3.3	4.7	7.3	5.9	6.9	6.5	7.5	6.8	5.5	7.2
22	5.5	4.3	5.9	7.6	4.9	2.9	3.0	3.1	2.9	3.1	2.7	2.4	3.7	3.1	1.9	2.2	3.0	6.2	4.6	2.7	1.8	4.9	5.1	3.2	3.8
23	2.5	4.5	3.7	4.2	4.2	4.3	2.3	3.3	7.1	11.9	25.0	25.9	30.6	26.7	24.7	22.3	20.3	18.3	14.2	13.8	16.9	13.4	15.2	16.0	13.8
24	13.9	11.1	10.5	9.2	10.4	8.4	10.3	15.0	10.6	5.8	7.4	15.1	20.3	16.0	12.4	9.0	7.5	8.4	6.1	5.5	5.4	6.4	4.5	3.7	9.7
25	2.3	1.4	4.5	5.4	6.2	8.4	6.4	6.3	6.4	6.3	4.2	3.2	2.1	1.5	3.1	1.9	3.3	4.7	5.3	5.3	7.5	7.4	8.3	7.6	5.0
26	10.5	11.3	11.5	14.8	14.5	10.8	12.7	11.1	7.8	5.5	6.8	5.7	3.8	3.2	5.8	3.8	2.0	5.5	7.3	7.2	7.6	9.1	8.6	8.3	8.1
27	8.7	10.1	10.1	10.4	10.6	11.9	10.5	15.2	14.8	12.1	7.0	6.6	4.9	5.9	7.0	8.3	8.9	7.9	9.8	9.4	8.0	6.7	8.2	6.3	9.1
28	5.4	6.1	8.7	8.4	9.7	9.2	8.5	6.0	5.0	4.3	1.5	1.3	2.8	3.1	2.9	2.3	4.0	5.6	7.3	10.2	10.9	12.1	8.1	5.3	6.2
29	6.3	11.4	14.2	14.6	12.4	8.8	2.8	5.3	4.9	6.4	8.2	10.7	10.9	7.3	5.1	5.6	7.0	7.8	8.5	9.3	8.5	8.4	9.2	11.2	8.5
30	12.1	14.8	12.3	12.6	15.0	13.9	12.3	12.7	13.8	13.0	10.3	7.8	12.4	12.9	7.9	15.2	16.4	15.1	14.5	10.0	14.6	21.3	26.2	33.0	14.6
HOURLY MEAN	6.9	6.8	7.2	7.7	7.2	6.6	6.2	6.9	7.3	7.6	7.5	7.4	7.9	7.4	8.1	8.1	7.7	8.2	8.1	8.2	8.1	7.9	8.2	8.2	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	19.3	13.9	18.6	11.8	6.7	10.3	11.0	10.9	13.2	20.5	7.2	12.1	10.4	14.4	11.3	12.8	10.8	10.1	9.4	15.1	14.6	7.6	30.6	20.3	8.4
MIN	2.9	2.8	2.6	1.2	1.9	3.7	1.9	2.6	3.9	1.9	2.4	2.6	3.3	1.8	3.4	2.4	2.8	2.8	.9	3.1	1.3	1.8	2.3	3.7	1.4
DAY	26	27	28	29	30	31																			
MAX	14.8	15.2	12.1	14.6	33.0	***																			
MIN	2.0	4.9	1.3	2.8	7.8	***																			

MONTHLY AVERAGE = 7.5    MONTHLY MAXIMUM = 33.0    MONTHLY MINIMUM = .9  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 97.2%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :11/ 1/1992 TO :11/30/1992

WIND DIRECTION (DEGREES)  
NOVEMBER - 1992

DAY	HOUR																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	86	72	95	194	178	183	158	187	124	32	34	57	329	303	299	300	298	274	253	275	254	241	276	268
2	245	244	265	241	242	56	84	95	106	105	100	CAL	CAL	CAL	CAL	CAL	CAL	CAL	249	239	222	209	235	314
3	118	168	178	159	79	11	289	279	338	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	5	25	23	18	10	7	9
4	8	291	271	124	146	172	203	201	177	173	173	151	143	170	165	147	150	146	150	145	163	187	224	227
5	217	220	244	272	340	338	59	184	212	229	231	5	51	81	107	145	148	152	123	143	150	146	158	199
6	202	200	169	161	195	177	179	147	163	172	173	314	345	32	35	56	68	104	137	154	180	183	189	191
7	190	182	189	184	223	186	209	224	234	212	204	211	242	277	266	288	296	259	248	151	153	180	195	200
8	176	180	136	167	184	205	208	224	227	340	29	91	258	282	309	143	60	66	137	144	141	122	120	160
9	223	213	214	232	285	279	171	184	245	309	1	349	336	334	331	5	55	105	136	148	134	128	136	142
10	112	46	71	73	106	89	107	123	130	142	143	143	152	186	352	26	37	38	33	32	76	273	232	142
11	156	190	204	195	101	356	4	323	274	224	266	273	239	228	262	342	342	188	184	188	170	174	218	305
12	213	60	110	129	148	150	141	164	161	155	147	121	118	258	305	7	114	330	348	347	223	156	146	130
13	106	104	125	133	173	229	274	215	215	238	290	15	342	353	319	295	293	252	267	171	156	168	173	195
14	212	212	217	244	297	138	147	177	198	203	176	157	151	142	143	123	116	143	153	181	190	178	180	178
15	191	233	238	196	193	188	179	192	199	201	199	186	276	317	312	314	3	321	262	230	174	161	160	182
16	182	183	198	195	181	192	189	194	203	222	231	295	51	353	8	53	23	3	6	317	13	254	292	245
17	238	183	218	242	222	195	219	232	220	230	248	325	49	59	9	CAL	CAL	347	331	309	266	252	245	271
18	304	244	205	197	217	244	244	46	73	155	293	13	CAL	CAL	CAL	83	98	129	181	202	229	249	310	11
19	358	9	112	264	268	323	73	86	129	168	164	161	322	23	1	78	38	59	42	18	34	34	23	265
20	308	336	337	351	334	6	40	24	58	19	348	349	355	342	7	42	46	26	10	11	359	355	351	4
21	1	342	338	338	337	349	348	332	333	289	326	330	333	9	38	344	69	129	153	160	169	159	163	185
22	193	167	206	207	232	241	302	20	124	131	256	328	325	334	242	134	146	152	197	173	139	12	2	3
23	108	247	263	206	207	180	243	337	342	341	340	338	340	347	350	351	354	358	4	15	11	1	6	13
24	5	342	339	339	342	345	340	354	360	318	1	6	14	11	10	8	334	317	321	332	335	313	298	289
25	284	231	217	189	183	195	185	179	198	197	188	187	109	99	130	143	159	166	160	181	201	185	188	192
26	193	193	198	195	197	193	196	197	200	193	207	209	212	62	95	98	239	155	174	179	182	188	185	200
27	200	198	198	206	192	190	189	194	192	191	179	180	172	148	144	151	155	164	155	165	172	179	194	185
28	191	216	194	194	195	194	198	220	197	204	186	121	231	223	115	108	36	1	20	26	355	354	355	324
29	324	336	7	18	26	22	354	42	67	121	134	142	143	142	141	144	161	177	189	179	180	188	196	192
30	200	200	204	211	203	197	219	208	201	205	206	224	243	258	273	275	266	250	264	259	260	265	262	274

TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720      VALID DATA RECOVERY RATE = 97.2%      OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING      CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :11/ 1/1992 TO :11/30/1992

SIGMA THETA (DEGREES)  
NOVEMBER - 1992

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	13	10	37	9	9	5	7	7	48	18	20	29	44	20	10	7	5	15	16	25	11	16	8	4	16
2	16	6	29	30	8	50	9	6	9	6	11	CAL	CAL	CAL	CAL	CAL	CAL	CAL	22	11	11	12	14	59	18
3	26	44	28	24	32	16	25	73	8	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	19	6	4	7	8	8	20	22
4	17	37	40	15	7	16	9	10	7	7	10	18	18	19	14	9	5	4	6	5	3	11	18	23	14
5	10	11	14	26	11	13	48	14	21	19	14	68	19	22	22	16	11	6	7	8	12	10	8	9	17
6	4	7	19	18	8	7	12	17	16	16	32	56	29	22	25	11	10	9	15	7	8	6	5	7	15
7	9	4	3	7	17	19	20	16	22	14	9	12	25	18	25	10	22	60	57	16	8	18	4	4	17
8	12	7	44	13	9	41	43	36	16	49	40	54	31	29	40	29	26	46	7	6	16	14	7	31	27
9	12	21	6	22	11	11	75	17	35	45	19	18	15	11	9	23	21	13	11	13	7	10	7	6	18
10	30	10	9	14	27	14	9	3	5	14	11	7	13	63	20	7	10	10	10	18	7	20	37	15	16
11	5	10	5	11	53	25	17	14	26	20	36	27	26	26	53	22	17	19	3	8	21	6	47	41	22
12	30	74	9	9	7	5	3	8	7	6	5	7	15	53	45	22	57	34	18	37	55	57	13	18	25
13	7	12	22	15	25	21	27	11	16	14	55	13	16	18	22	15	8	12	8	17	9	7	21	12	17
14	7	32	11	21	33	48	36	14	7	8	21	12	11	13	15	8	8	11	3	10	3	7	5	7	15
15	12	25	11	6	7	6	9	7	6	8	9	24	46	23	17	13	19	14	21	14	40	8	11	3	15
16	3	3	8	5	7	3	4	5	8	15	15	43	61	39	25	16	58	35	28	33	51	57	51	20	25
17	24	6	13	9	13	11	17	21	11	9	23	37	46	27	CAL	CAL	CAL	11	11	34	25	8	22	11	19
18	10	16	8	7	12	22	18	51	43	48	39	25	CAL	CAL	CAL	7	10	22	22	11	5	11	44	8	21
19	20	31	23	32	11	44	5	14	29	28	29	63	63	38	24	17	12	12	46	21	7	7	18	21	26
20	18	7	11	20	10	19	15	13	10	13	16	12	12	6	31	7	8	12	6	13	12	10	11	8	12
21	11	7	3	3	4	12	12	7	8	15	22	7	42	46	45	17	23	15	5	8	5	7	7	12	14
22	16	13	10	8	13	14	46	17	25	14	59	45	25	17	48	28	32	12	12	34	78	27	42	39	28
23	55	28	20	14	11	10	43	10	9	6	4	4	7	10	10	11	13	10	9	3	4	10	9	4	13
24	8	5	4	3	6	7	5	14	12	13	16	11	4	9	6	12	14	6	8	7	8	7	15	11	9
25	21	45	6	6	7	3	11	9	6	4	7	23	19	25	13	20	15	6	17	12	9	6	4	5	12
26	2	3	3	3	2	9	16	9	7	4	13	11	35	27	17	23	53	11	9	7	6	9	4	9	12
27	11	5	6	6	6	3	6	3	3	4	7	8	4	10	6	2	4	3	4	4	7	3	8	9	5
28	22	11	4	8	5	4	5	10	6	10	36	49	51	19	27	23	21	12	14	8	11	11	20	10	17
29	7	15	9	9	5	8	32	17	7	30	7	4	6	4	6	6	11	3	7	7	9	4	6	7	9
30	8	7	5	6	5	4	12	5	2	3	4	18	13	7	15	7	8	10	13	17	17	7	7	10	9
HOURLY MEAN	15	17	14	13	13	16	20	15	15	16	20	25	26	23	23	14	19	16	14	14	16	13	16	15	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	48	59	73	40	68	56	60	54	75	63	53	74	55	48	46	61	46	51	63	31	46	78	55	16	45
MIN	4	6	4	3	6	4	3	6	6	3	3	3	7	3	3	3	6	5	5	6	3	8	3	3	3

  

DAY	26	27	28	29	30	31
MAX	53	11	51	32	18	***
MIN	2	2	4	3	2	***

MONTHLY AVERAGE = 16.8    MONTHLY MAXIMUM = 78.3    MONTHLY MINIMUM = 2.1  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 97.2%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :11/ 1/1992 TO :11/30/1992

TEMPERATURE (DEGREES F)  
NOVEMBER - 1992

DAY	HOUR																								DAILY
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	39.9	38.2	37.3	36.3	36.0	34.9	34.8	36.2	38.8	42.0	44.6	47.4	49.0	50.3	51.4	51.4	49.7	45.4	43.9	44.3	43.7	44.2	44.7	43.9	42.8
2	43.8	44.3	46.1	46.4	45.0	43.8	40.0	36.8	37.7	38.4	38.9	CAL	CAL	CAL	CAL	CAL	CAL	CAL	29.4	29.6	29.4	30.0	30.9	32.3	37.8
3	27.2	28.3	28.5	27.6	28.3	29.6	29.1	29.8	31.1	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	31.4	30.3	30.2	30.4	30.3	30.0	29.3	29.5
4	27.8	26.8	26.1	23.9	23.1	22.8	23.5	24.3	25.4	26.4	28.6	30.5	31.8	32.8	33.0	32.5	30.4	27.5	25.4	24.2	22.6	23.2	23.6	23.5	26.6
5	23.2	23.1	22.7	23.3	22.9	21.7	21.7	22.7	26.0	28.9	31.7	34.8	35.6	35.9	35.5	34.4	33.7	32.4	31.5	31.4	30.9	30.1	30.8	31.9	29.0
6	32.0	31.8	31.8	31.4	31.8	32.2	32.2	32.1	35.5	39.7	42.7	44.5	45.1	45.4	45.1	44.2	41.4	39.2	35.3	34.3	34.5	34.4	33.0	32.5	36.7
7	31.7	31.4	31.7	31.1	29.8	30.0	29.3	32.0	35.5	40.6	45.7	51.1	53.4	54.7	56.0	55.0	51.8	50.8	51.0	45.6	43.2	39.3	39.5	38.2	41.6
8	37.7	38.8	36.7	38.0	37.8	36.5	38.1	39.3	41.4	47.9	46.2	49.8	51.3	53.1	54.7	54.6	50.9	46.8	41.2	39.7	38.9	38.8	39.1	37.6	43.1
9	36.4	34.9	34.2	35.1	33.6	33.2	32.5	32.1	37.5	42.3	47.0	51.6	53.6	53.9	52.9	51.2	47.2	43.5	43.1	41.2	39.6	38.7	37.8	37.4	41.3
10	34.3	30.6	30.9	30.9	32.8	31.6	31.9	33.6	34.7	37.3	38.6	40.2	42.8	43.2	38.0	36.0	35.2	34.5	34.0	31.5	30.1	29.3	29.7	30.3	34.2
11	29.9	30.7	31.1	30.5	29.8	27.8	25.9	26.7	27.9	30.5	34.3	35.3	37.3	40.1	42.1	41.5	39.1	38.1	38.0	37.0	33.8	31.7	36.0	38.1	33.9
12	36.3	36.4	32.9	29.0	25.8	25.0	24.4	26.0	31.0	33.3	34.8	36.0	37.8	40.9	44.7	44.6	42.7	41.6	38.1	37.8	36.3	36.5	35.1	36.3	35.1
13	36.3	30.5	27.6	27.5	27.3	25.5	22.6	25.0	30.6	38.5	43.8	43.6	43.7	45.9	51.1	53.2	50.3	47.7	47.3	43.9	37.0	38.1	37.2	38.3	38.0
14	37.0	37.1	36.3	36.2	35.4	33.7	33.4	33.3	37.8	44.8	51.5	54.5	56.0	57.2	58.2	57.9	54.1	49.2	43.0	43.8	43.9	42.9	41.0	39.9	44.1
15	39.7	37.6	37.9	36.2	35.8	37.6	37.4	40.1	45.1	51.6	58.2	63.2	66.2	66.4	66.6	64.3	60.8	57.6	56.6	56.1	50.1	44.3	42.2	43.4	49.8
16	43.5	44.1	44.0	43.4	42.9	42.2	42.2	43.0	47.3	53.8	56.8	59.5	61.2	61.6	60.5	58.0	54.3	52.6	50.8	49.6	49.0	47.4	46.1	44.5	49.9
17	43.2	40.2	40.8	38.4	38.0	37.2	36.9	36.3	41.1	45.7	49.4	52.7	54.8	56.1	53.1	CAL	CAL	44.5	42.5	41.5	41.0	41.5	40.5	38.2	43.3
18	37.3	35.4	35.3	34.7	33.9	32.7	32.3	29.8	31.2	37.5	45.5	47.5	48.3	52.1	51.2	46.0	44.9	42.7	42.8	41.5	40.4	39.8	39.4	36.6	40.0
19	36.2	36.2	35.9	35.8	36.0	36.2	35.6	35.4	36.8	39.1	42.1	44.3	45.9	47.1	46.1	45.3	40.0	35.8	33.1	32.5	32.1	30.9	30.0	30.3	37.4
20	30.7	30.9	31.1	31.4	31.5	31.5	31.2	31.1	31.1	31.4	31.7	32.0	32.0	31.2	31.4	31.6	30.5	29.7	29.4	29.4	29.2	29.1	28.8	28.3	30.7
21	28.0	27.4	27.2	27.0	27.3	27.1	26.9	26.9	27.5	29.3	29.4	30.3	32.8	35.8	33.9	30.3	27.5	24.6	22.5	22.0	21.1	19.3	18.6	19.8	26.8
22	19.4	19.2	19.4	19.2	19.2	18.2	16.7	17.0	18.1	22.0	25.8	26.7	30.2	30.1	31.3	31.7	31.2	32.0	32.3	32.2	31.3	27.7	24.1	25.0	25.0
23	24.2	24.1	25.3	26.1	27.9	28.3	28.3	28.4	29.1	29.2	25.1	23.7	22.9	22.0	21.1	20.2	18.9	18.4	17.8	17.6	17.1	16.9	16.3	15.4	22.7
24	15.0	14.4	14.3	14.1	14.4	14.9	15.3	15.7	16.1	16.6	17.6	17.5	17.2	17.6	17.1	16.9	16.4	16.4	16.0	16.1	15.2	14.3	14.1	13.8	15.7
25	13.2	12.9	12.7	13.0	12.3	11.4	9.9	9.9	11.4	15.8	19.9	24.7	27.7	30.0	26.8	27.2	24.7	23.9	22.0	19.8	18.4	16.8	17.0	15.9	18.2
26	16.4	18.0	17.4	18.8	19.2	19.3	20.8	19.3	21.1	25.5	28.7	31.6	35.3	38.4	34.9	36.0	32.1	30.7	28.6	23.7	22.3	21.5	22.4	22.0	25.2
27	19.5	21.1	19.9	18.6	19.7	21.5	21.0	22.1	24.3	27.8	32.7	36.2	40.1	41.5	39.6	37.9	34.2	30.8	25.5	23.7	24.5	23.5	22.5	21.4	27.1
28	20.3	18.8	19.1	18.3	18.2	19.2	19.8	20.0	21.2	24.8	33.5	37.7	37.0	35.2	36.0	35.2	32.8	32.2	31.7	30.8	29.0	28.3	27.8	27.8	27.3
29	27.5	27.5	26.0	24.4	23.5	23.1	22.4	21.4	21.2	21.5	22.2	23.0	24.6	26.8	27.5	26.6	24.1	23.2	19.6	18.1	17.1	17.0	16.4	18.0	22.6
30	17.2	19.6	21.4	23.7	22.3	21.5	25.3	22.3	24.9	29.6	34.6	41.2	44.3	45.6	46.5	45.2	43.6	43.6	43.5	43.0	42.5	44.8	46.2	43.0	34.8
HOURLY	30.2	29.7	29.4	29.0	28.7	28.3	28.0	28.3	30.6	34.2	37.3	39.7	41.4	42.5	42.4	41.1	38.6	36.8	34.9	33.7	32.5	31.7	31.4	31.1	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	51.4	46.4	31.4	33.0	35.9	45.4	56.0	54.7	53.9	43.2	42.1	44.7	53.2	58.2	66.6	61.6	56.1	52.1	47.1	32.0	35.8	32.3	29.2	17.6	30.0
MIN	34.8	29.4	27.2	22.6	21.7	31.4	29.3	36.5	32.1	29.3	25.9	24.4	22.6	33.3	35.8	42.2	36.3	29.8	30.0	28.3	18.6	16.7	15.4	13.8	9.9
DAY	26	27	28	29	30	31																			
MAX	38.4	41.5	37.7	27.5	46.5	***																			
MIN	16.4	18.6	18.2	16.4	17.2	***																			

MONTHLY AVERAGE = 33.7    MONTHLY MAXIMUM = 66.6    MONTHLY MINIMUM = 9.9  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 97.6%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :11/ 1/1992 TO :11/30/1992

BAROMETRIC PRESSURE (INCHES)  
NOVEMBER - 1992

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7
2	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.4	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
3	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.0	24.9	24.8
4	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7
5	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7
6	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
7	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7
8	24.6	24.6	24.6	24.6	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.6
9	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.6
10	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.8
11	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
12	24.8	24.8	24.9	24.9	24.9	24.9	24.9	25.0	25.0	25.0	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9
13	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
14	24.9	24.9	24.9	24.9	24.9	24.9	25.0	25.0	25.0	25.0	25.0	25.0	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
15	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9
16	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
17	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
18	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.7
19	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7
20	24.6	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.6
21	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.8
22	24.6	24.6	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.3	24.4	24.4	24.4
23	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.5
24	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.8
25	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.0	25.0	25.0	24.9
26	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
27	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.9
28	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.7
29	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
30	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.7	24.8
HOURLY MEAN	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	24.8	24.6	25.0	24.9	24.8	24.8	24.8	24.6	24.7	24.9	24.9	25.0	24.9	25.0	24.9	24.8	24.8	24.8	24.8	24.7	24.9	24.6	24.7	24.9	25.0
MIN	24.6	24.5	24.6	24.7	24.7	24.8	24.6	24.5	24.5	24.7	24.7	24.8	24.8	24.9	24.8	24.7	24.7	24.7	24.6	24.5	24.7	24.3	24.4	24.7	24.9
DAY	26	27	28	29	30	31																			
MAX	25.0	25.0	24.8	24.9	24.9	***																			
MIN	25.0	24.8	24.7	24.8	24.6	***																			

MONTHLY AVERAGE = 24.7    MONTHLY MAXIMUM = 25.0    MONTHLY MINIMUM = 24.3  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE



ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :11/ 1/1992 TO :11/30/1992

PRECIPITATION (.01 INCHES)  
NOVEMBER - 1992

DAY	HOUR																								DAILY TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CAL	CAL	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	CAL	CAL	CAL	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CAL	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	1	3	2	3	2	1	1	0	1	18
21	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	2	2	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	9
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MONTHLY TOTAL (INCHES)= .30    MONTHLY MAXIMUM (INCHES)= .04  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 99.2%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 1 FROM :11/ 1/1992 TO :11/30/1992

RELATIVE HUMIDITY (PERCENT)  
NOVEMBER - 1992

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	81.7	84.3	87.3	92.3	93.3	88.8	81.5	73.8	76.1	52.7	46.0	30.3	23.6	23.1	22.8	22.8	23.5	28.9	36.6	36.6	37.2	37.5	39.0	42.9	52.6
2	45.9	44.9	40.8	38.9	42.3	45.9	54.7	66.6	54.4	50.3	49.2	52.1	79.8	93.4	101.1	102.1	102.4	102.6	102.7	102.7	102.2	101.4	100.4	99.9	74.0
3	100.0	99.4	98.3	98.4	98.8	95.3	90.1	92.2	87.3	75.4	70.2	64.0	60.0	57.7	60.7	60.7	61.3	59.1	63.2	67.9	62.8	59.0	58.5	61.2	75.1
4	65.4	68.6	69.3	74.0	79.4	80.1	84.4	88.5	82.6	76.2	71.4	62.3	56.7	52.9	51.9	51.6	55.4	66.7	78.6	84.7	87.1	90.4	92.1	92.3	73.4
5	91.4	89.1	88.5	89.8	94.0	96.5	97.2	96.9	94.9	82.0	69.6	57.4	54.8	50.6	53.0	59.6	63.3	69.1	80.5	92.7	94.6	95.6	96.0	93.6	81.3
6	92.6	91.5	88.2	87.8	88.9	83.4	77.0	71.9	62.3	42.6	30.9	26.3	25.2	25.2	25.7	27.9	33.2	43.8	50.6	60.0	61.4	62.0	65.8	67.6	58.0
7	68.2	63.6	63.0	61.0	62.1	59.2	63.0	61.8	59.4	52.6	37.7	27.1	23.9	24.1	23.6	24.0	27.2	30.4	29.8	37.8	46.7	53.8	54.5	57.9	46.4
8	54.5	53.0	54.7	52.6	55.2	58.7	54.0	63.4	57.4	44.0	46.2	41.6	31.1	20.1	17.6	17.0	18.8	21.5	45.5	55.6	62.5	66.0	63.2	68.0	46.8
9	69.8	78.0	79.1	76.7	81.9	84.7	85.0	89.8	79.1	57.9	47.5	34.8	22.2	23.8	CAL	CAL	CAL	CAL	34.8	39.8	26.9	26.2	28.9	27.4	54.5
10	26.7	32.4	34.3	35.1	32.0	34.2	35.9	32.9	30.7	29.3	26.8	27.2	23.8	CAL	38.8	40.5	42.4	44.8	46.4	79.5	97.8	100.8	100.4	99.0	47.5
11	98.7	98.1	97.6	96.3	96.5	98.9	101.2	100.1	97.5	94.7	86.2	73.7	63.4	50.5	43.0	32.5	34.2	36.1	35.0	38.2	48.7	56.6	48.1	40.2	69.4
12	40.8	41.1	44.1	47.1	57.9	65.7	71.0	72.6	59.6	54.8	51.8	51.3	49.9	45.1	38.8	35.1	36.2	38.1	46.3	49.0	52.9	50.0	51.1	49.0	50.0
13	44.9	53.3	65.4	69.9	71.3	80.9	92.0	89.9	79.4	55.6	44.0	44.3	43.2	40.2	32.8	27.1	27.7	31.1	30.4	33.0	47.2	50.4	54.6	53.5	52.6
14	55.3	56.5	60.2	58.9	63.5	67.4	63.4	65.1	61.7	46.3	35.5	28.8	25.7	24.4	23.0	22.9	25.0	30.6	40.3	43.5	45.0	46.5	48.5	54.9	45.5
15	54.8	64.4	64.3	64.2	65.9	62.8	58.3	58.1	48.9	36.0	24.7	17.2	14.7	14.4	14.2	15.0	16.3	16.3	16.7	17.4	22.3	30.7	41.2	41.7	36.7
16	43.3	40.0	38.6	39.6	36.2	36.0	35.8	34.6	29.0	20.2	17.3	16.1	15.0	15.1	15.7	17.0	19.6	22.1	23.6	25.0	24.9	28.3	30.3	33.3	27.4
17	35.3	39.3	42.7	48.3	48.3	47.2	46.8	51.4	CAL	CAL	32.7	26.7	23.7	22.3	27.1	28.9	35.4	43.2	46.2	48.5	48.7	48.2	50.1	59.0	40.9
18	68.0	81.1	81.8	78.3	82.3	88.0	93.9	96.7	100.7	95.1	64.2	48.1	44.8	42.4	43.4	46.2	48.4	52.3	58.3	75.7	86.1	90.7	92.3	95.7	73.1
19	99.4	99.9	100.0	100.0	110.0	99.9	99.7	99.3	98.3	92.6	76.4	62.5	55.8	56.2	58.7	61.8	75.3	91.6	96.8	98.6	99.2	100.1	110.1	110.4	88.5
20	101.6	101.7	101.8	101.9	102.0	102.3	102.5	102.8	103.5	104.2	104.7	104.4	102.3	102.1	102.5	103.2	104.4	105.2	105.6	106.0	106.4	106.7	106.9	107.0	103.8
21	107.0	106.9	106.6	106.3	106.0	105.5	104.4	103.8	104.1	104.6	104.3	103.6	102.4	102.1	101.4	101.3	101.7	102.0	102.0	101.8	101.7	101.4	101.0	100.7	103.4
22	100.1	99.8	99.3	97.3	97.6	99.4	99.9	100.0	100.0	100.1	98.6	97.5	92.9	93.0	91.9	91.9	92.5	84.3	86.3	92.5	94.4	98.5	100.9	101.3	96.3
23	101.3	101.2	101.1	99.4	96.6	97.5	100.1	100.8	101.0	101.3	101.4	101.2	100.7	100.2	99.5	99.2	99.2	99.4	99.2	99.5	99.5	99.4	99.4	99.0	99.9
24	99.0	99.3	99.4	99.5	99.0	98.0	98.2	98.0	97.3	97.3	94.7	92.7	78.9	78.8	82.9	84.2	84.4	84.3	85.0	84.7	90.4	95.7	94.9	96.9	92.2
25	97.6	97.0	95.6	94.0	95.6	98.3	96.5	96.6	94.7	84.6	70.7	57.0	44.0	38.3	40.2	39.3	40.9	44.0	50.3	57.8	68.3	71.3	73.8	76.8	71.8
26	79.8	79.2	75.6	70.4	67.1	64.8	60.4	62.0	59.6	54.0	51.2	50.3	45.7	34.5	45.4	38.6	47.3	38.8	34.8	47.9	52.0	51.9	52.3	52.8	54.9
27	54.7	53.9	53.5	53.5	52.6	50.7	49.5	49.1	48.1	45.5	40.7	37.6	32.6	33.3	35.5	35.5	33.2	34.5	36.6	46.2	52.0	67.4	77.4	95.8	101.0
28	60.2	61.2	56.9	59.8	59.2	58.1	56.1	55.7	55.4	51.5	45.6	28.3	28.8	32.3	33.5	36.6	46.2	52.0	67.4	77.4	95.8	101.0	101.0	91.0	59.2
29	101.4	101.4	101.0	100.7	98.6	95.4	94.4	86.1	80.3	78.9	76.3	76.1	74.5	70.7	64.7	58.6	55.3	55.8	60.4	63.0	63.4	71.4	73.1	70.8	78.0
30	64.7	55.5	46.2	36.7	37.2	39.0	33.2	34.9	34.1	31.9	29.9	23.1	20.1	18.7	18.3	18.7	18.8	18.9	19.2	19.2	20.0	19.2	19.1	20.6	29.0
HOURLY MEAN	73.5	74.5	74.5	74.3	75.4	76.1	76.0	76.5	73.7	65.9	58.2	52.1	48.7	47.7	48.5	48.3	50.7	53.4	57.0	62.9	66.5	68.7	69.6	70.6	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	93.3	102.7	100.0	92.3	97.2	92.6	68.2	68.0	89.8	100.8	101.2	72.6	92.0	67.4	65.9	43.3	59.0	100.7	101.4	107.0	107.0	101.3	101.4	99.5	98.3
MIN	22.8	38.9	57.7	51.6	50.6	25.2	23.6	17.0	20.6	23.8	32.5	35.1	27.1	22.9	14.2	15.0	22.3	42.4	55.8	101.6	100.7	84.3	96.6	78.8	38.3
DAY	26	27	28	29	30	31																			
MAX	79.8	54.7	101.2	101.4	64.7	***																			
MIN	34.5	32.6	28.3	55.3	18.3	***																			

MONTHLY AVERAGE = 64.4    MONTHLY MAXIMUM = 107.0    MONTHLY MINIMUM = 14.2  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 99.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAGMMP  
SITE 1 FROM :11/ 1/1992 TO :11/30/1992

MAXIMUM WIND SPEED (MPH)  
NOVEMBER - 1992

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	9.9	9.6	7.6	7.6	8.2	10.6	10.6	9.4	10.0	12.7	9.9	9.5	11.1	11.9	30.5	30.8	21.4	18.1	11.1	14.4	11.8	10.8	14.9	14.7	13.2
2	15.3	16.5	11.1	10.8	12.9	11.2	15.2	17.3	19.9	20.2	17.0	19.8	23.1	20.6	21.3	22.1	15.2	9.1	7.8	11.4	9.0	8.5	6.6	9.6	14.6
3	9.2	7.4	8.4	7.1	3.9	10.1	8.4	5.8	13.6	20.9	27.0	34.5	32.9	35.1	32.6	34.4	29.9	33.5	21.3	21.8	25.1	27.7	26.5	19.3	20.7
4	11.1	6.6	4.0	12.1	9.6	8.4	8.0	8.7	15.0	15.8	16.5	16.2	14.9	14.7	15.1	14.6	14.3	12.2	11.2	9.1	7.3	9.5	5.6	5.0	11.1
5	5.6	7.2	5.8	4.0	6.3	6.6	3.9	6.4	6.7	8.0	7.3	7.4	11.3	13.4	14.1	9.8	5.6	7.4	9.1	7.5	8.7	9.0	8.7	8.9	7.9
6	10.6	9.6	7.3	8.6	8.1	7.8	7.8	7.5	8.9	9.0	8.1	11.3	13.5	12.4	13.7	15.2	12.1	9.5	11.3	11.7	10.4	9.1	11.0	10.7	10.2
7	12.4	10.4	10.9	10.1	11.3	10.9	12.1	9.4	7.1	5.6	12.6	16.2	13.6	15.7	18.1	17.2	17.4	7.1	5.4	12.8	9.5	12.1	16.0	15.4	12.1
8	13.3	13.6	7.4	15.0	11.3	6.7	11.4	8.9	13.9	18.7	12.9	10.8	13.4	11.7	14.4	6.7	10.2	8.4	15.4	14.8	14.0	10.4	15.9	15.0	12.3
9	9.1	10.3	10.2	10.6	6.3	5.0	11.6	13.9	10.1	24.8	12.8	21.3	18.4	20.2	CAL	CAL	CAL	CAL	19.5	23.4	24.1	10.7	12.3	15.8	14.5
10	13.2	12.3	12.8	17.8	17.6	9.2	15.2	18.9	20.2	19.8	19.0	23.0	24.0	CAL	32.2	23.8	17.2	10.6	13.1	13.6	7.1	3.8	4.8	5.4	15.4
11	5.4	6.4	5.6	6.2	4.6	8.3	9.0	5.3	5.5	7.8	8.9	9.0	9.4	14.9	7.5	8.1	5.0	8.0	8.9	8.2	9.6	11.6	10.9	6.6	7.9
12	10.4	12.4	17.7	13.9	14.1	14.2	12.6	10.6	16.3	17.1	18.5	14.1	14.3	6.6	7.6	6.7	8.5	12.3	12.4	8.1	6.5	9.4	12.0	12.0	12.0
13	15.0	16.3	10.4	12.7	12.6	10.8	6.1	7.9	13.4	12.6	11.3	12.5	12.2	10.8	9.0	17.3	15.8	11.6	10.9	14.3	14.1	13.0	8.0	12.2	12.1
14	10.3	9.4	6.0	6.0	2.8	4.4	4.6	10.2	14.7	16.2	17.9	21.7	22.2	20.7	17.4	12.3	11.4	12.9	15.5	13.0	12.8	11.4	11.3	11.9	12.4
15	10.7	10.3	9.0	14.1	13.0	12.2	12.5	13.3	16.5	14.2	14.3	11.9	7.9	10.4	16.4	12.6	10.9	16.8	14.3	12.2	14.3	12.3	13.2	12.3	12.7
16	12.9	12.7	14.9	13.8	15.0	16.2	16.1	14.1	14.5	12.8	9.7	7.1	6.0	10.4	8.8	8.9	8.9	8.4	4.6	6.2	4.8	7.4	6.4	7.3	10.3
17	6.8	10.3	10.0	9.1	10.1	9.0	7.2	6.9	CAL	CAL	10.6	8.8	11.1	10.1	15.9	15.2	11.3	8.9	8.6	5.2	6.5	7.1	4.6	8.9	9.2
18	8.3	5.6	10.1	9.8	9.3	5.8	3.7	6.3	6.0	5.6	6.0	13.9	14.4	14.6	13.3	6.9	7.1	11.1	13.4	14.3	10.4	7.1	6.5	5.8	9.0
19	7.0	3.6	4.0	3.3	2.8	3.9	5.2	4.3	3.4	5.3	7.5	9.9	12.6	11.8	12.9	15.2	11.3	9.7	8.5	8.7	10.0	11.0	7.1	5.0	7.7
20	6.7	8.1	7.4	7.9	5.8	5.4	5.3	7.1	8.3	7.2	8.9	11.9	12.3	12.3	13.8	15.6	19.3	16.1	15.4	14.8	13.9	16.3	20.5	19.4	11.6
21	17.5	17.2	18.5	18.2	16.4	16.1	12.6	10.6	8.1	5.4	8.4	7.7	5.4	5.3	3.7	4.6	7.2	8.8	10.9	11.5	9.1	12.0	10.3	8.9	10.6
22	8.5	7.4	8.1	8.6	5.2	2.8	3.2	3.6	5.5	4.4	6.4	4.0	6.8	6.5	4.1	6.8	5.6	10.3	7.2	4.9	5.0	5.8	6.5	5.2	5.9
23	5.4	8.3	5.6	7.5	7.2	6.8	5.7	5.7	12.2	19.2	34.1	33.8	39.4	33.5	31.4	32.0	29.8	22.8	23.2	18.1	20.5	18.5	23.8	21.7	19.4
24	21.1	18.5	14.2	12.1	14.6	11.3	17.1	22.2	15.6	9.7	11.9	24.1	25.1	22.4	16.5	14.1	10.8	10.9	8.5	10.7	9.1	8.2	7.6	4.3	14.2
25	4.1	5.0	7.8	9.4	9.9	10.8	10.6	10.8	12.4	11.6	9.0	7.8	4.6	4.5	5.4	3.4	6.1	7.4	8.7	11.3	13.1	13.5	13.2	14.0	8.9
26	16.4	15.6	15.8	17.5	16.6	14.9	19.1	17.7	10.8	12.3	12.2	8.6	7.8	6.9	8.3	8.0	6.4	10.5	10.9	13.2	13.8	15.1	15.4	12.9	12.8
27	12.6	13.9	13.4	13.8	13.9	17.9	17.5	16.4	14.4	14.5	14.1	13.3	10.3	8.7	9.3	10.4	12.6	12.1	15.6	12.1	13.7	14.9	14.1	11.3	13.4
28	8.4	8.7	11.9	13.9	12.9	11.3	10.5	9.7	7.3	8.5	7.0	3.4	7.3	7.0	6.6	5.2	6.8	6.0	12.2	14.3	15.4	17.6	13.8	6.9	9.7
29	8.9	19.5	19.2	25.8	18.9	13.8	8.6	13.1	9.3	10.6	10.7	14.4	20.0	10.9	7.8	8.9	10.6	10.8	15.0	13.3	14.0	14.5	14.3	15.4	13.7
30	19.9	21.4	17.7	19.3	21.8	20.7	18.7	18.2	17.7	17.3	15.1	14.1	17.5	16.8	10.8	23.5	29.6	24.6	19.6	15.8	27.7	38.3	43.4	53.1	22.6
HOURLY																									
MEAN	10.9	11.1	10.4	11.5	10.8	10.1	10.3	10.7	11.6	12.7	12.8	14.1	14.8	13.8	14.4	14.1	13.1	12.3	12.3	12.4	12.4	12.5	12.8	12.5	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	30.8	23.1	35.1	16.5	14.1	15.2	18.1	18.7	24.8	32.2	14.9	18.5	17.3	22.2	16.8	16.2	15.9	14.6	15.2	20.5	18.5	10.3	39.4	25.1	14.0
MIN	7.6	6.6	3.9	4.0	3.9	7.3	5.4	6.7	5.0	3.8	4.6	6.5	6.1	2.8	7.9	4.6	4.6	3.7	2.8	5.3	3.7	2.8	5.4	4.3	3.4
DAY 26 27 28 29 30 31																									
MAX	19.1	17.9	17.6	25.8	53.1	***																			
MIN	6.4	8.7	3.4	7.8	10.8	***																			

MONTHLY AVERAGE = 12.3    MONTHLY MAXIMUM = 53.1    MONTHLY MINIMUM = 2.8  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 99.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 1 FROM :11/ 1/1992 TO :11/30/1992

10M-2M TEMPERATURE DIFFERENCE  
NOVEMBER - 1992

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	4.9	2.7	3.5	5.2	6.3	5.2	7.9	4.1	.0	-.5	-.8	-.7	-1.0	-.8	-.7	-.2	.7	1.7	4.3	3.2	3.7	2.8	1.6	2.0	2.3
2	3.0	2.8	4.4	3.8	2.5	3.2	1.1	.2	.0	-.2	-.4	-.5	-.7	-.3	.0	.0	.0	.1	.2	.4	1.8	.8	2.0	2.2	1.1
3	1.3	1.9	2.6	1.2	.9	1.2	1.1	.8	.4	.3	.5	.6	.1	.1	.2	.3	.4	.6	.5	.4	.5	.5	.5	.6	.7
4	1.3	1.7	3.0	3.5	4.3	2.9	1.3	.2	-.2	-.4	-.8	-.7	-.7	-.7	-.8	-.3	.5	1.1	2.3	1.9	2.4	4.3	4.1	4.2	1.4
5	3.4	3.8	3.3	2.6	1.7	.7	.4	.0	-.1	-.3	-.4	-.3	-.4	-.3	-.3	-.1	.6	2.3	1.3	1.1	2.3	1.6	1.3	1.5	1.1
6	.9	.9	1.4	1.4	1.5	1.5	1.4	.7	-.3	-.5	-.6	-1.1	-1.0	-.8	-.6	-.1	1.0	4.0	5.1	4.0	4.4	5.0	3.7	4.0	1.5
7	3.6	3.9	3.2	4.9	5.0	5.0	3.7	.9	-.1	-.3	-.6	-.9	-.8	-.8	-.7	.3	2.1	3.6	3.5	5.8	7.6	6.0	3.5	3.5	2.6
8	4.4	3.8	7.2	7.7	5.7	8.2	9.6	3.3	.8	-.7	-.5	-.6	-1.0	-.8	-.5	-.0	1.4	3.8	3.0	2.2	1.9	2.5	1.9	2.1	2.7
9	4.6	4.9	4.7	5.8	3.5	4.3	4.0	1.7	-.2	-.9	-1.1	-1.1	-1.3	-1.2	CAL	CAL	CAL	CAL	2.4	1.4	1.0	1.9	3.8	1.7	2.0
10	2.5	2.8	.5	.3	.5	.8	.3	.1	-.2	-.9	-.6	-.8	-1.4	CAL	-.3	-.1	.2	.3	.3	.2	.1	.7	.4	.9	.3
11	1.8	1.3	1.5	3.3	3.1	2.4	.2	-.0	-.1	-.3	-.6	-.7	-.8	-.8	-.5	-.3	1.5	5.9	5.7	5.7	4.3	4.9	7.4	8.4	2.2
12	9.1	7.9	3.6	1.2	1.5	1.7	1.6	1.0	-.2	-.2	-.1	-.1	-.5	-.5	-.5	-.2	3.0	6.6	5.9	4.0	5.9	8.3	10.3	8.6	3.2
13	2.7	1.0	2.2	2.2	3.7	3.8	3.2	2.4	-.4	-.6	-.9	-1.3	-1.1	-.8	-.7	-.2	1.4	4.0	5.6	5.3	4.2	3.6	6.5	6.2	2.2
14	5.7	5.7	6.2	7.8	4.4	7.1	10.4	3.5	-.2	-.9	-1.0	-1.2	-1.0	-.8	-.5	.2	1.9	5.3	2.6	3.5	2.7	5.1	7.4	6.3	3.3
15	10.6	6.1	7.2	4.4	2.2	3.5	4.8	2.2	-.3	-.7	-.9	-.8	-.8	-.8	-.6	1.2	3.8	3.5	3.6	5.3	5.3	8.4	4.2	3.6	3.1
16	3.9	3.7	2.3	2.4	2.7	1.9	2.0	1.0	-.2	-.6	-.5	-.6	-.3	-.2	-.1	.7	3.0	4.1	3.7	4.6	4.1	6.5	5.2	5.5	2.3
17	5.2	4.6	4.7	5.7	5.3	4.8	6.3	3.2	CAL	CAL	-.6	-.8	-.7	-.5	-.7	-.0	1.1	2.6	2.8	3.5	4.5	5.4	3.9	4.2	2.9
18	4.0	4.4	5.7	4.8	4.5	4.9	5.6	2.6	-.3	-.4	-.7	-.9	-1.1	-.7	-.4	.2	1.0	.8	.6	.4	.9	1.6	2.3	2.6	1.8
19	1.1	.2	.3	.3	.5	.4	.3	.1	-.0	-.3	-.6	-.7	-.6	-.8	-.7	-.0	1.4	1.2	1.9	.4	.2	.0	.0	-.0	.2
20	.0	.0	.0	.0	.0	.0	.0	.0	-.0	-.1	-.2	-.3	-.3	-.1	.1	.2	.1	.0	.1	.1	.1	.1	.1	.1	.0
21	.1	.1	.1	.1	.1	.1	.1	.0	-.4	-.6	-1.0	-1.4	-1.8	-1.5	.0	-2.3	1.4	3.0	4.1	6.1	5.1	4.9	4.9	5.1	1.1
22	5.1	8.6	8.3	5.5	3.5	4.2	5.4	1.7	.8	.2	-.4	-.2	-1.6	-1.0	-.5	.1	.2	1.4	2.6	2.6	2.8	2.1	3.0	4.7	2.5
23	5.1	4.4	2.6	.8	.6	.3	.2	.1	-.0	-.1	-.1	-.2	-.1	.1	.2	.2	.2	.2	.3	.2	.2	.3	.3	.5	.7
24	.3	.5	.5	.5	.5	.5	.5	.5	.2	-.1	.2	.6	1.3	1.1	.7	.9	1.6	1.4	1.4	1.0	.8	1.8	2.3	2.4	.9
25	3.8	5.0	5.2	5.6	4.6	3.8	3.9	5.7	2.3	.5	.2	.3	.5	.7	.4	.6	3.5	6.6	10.2	8.9	6.1	3.5	3.3	3.6	3.7
26	3.9	3.4	3.4	2.1	2.7	2.8	1.8	2.9	1.4	.2	-.1	-.2	-.1	1.0	1.1	2.9	3.8	11.6	10.0	8.3	5.5	8.9	6.1	8.5	3.8
27	6.3	4.4	4.4	5.4	3.7	2.5	3.0	1.6	.8	.3	.0	.0	.2	.8	1.9	5.5	10.6	9.7	12.9	5.6	8.1	7.4	5.6	6.3	4.5
28	8.1	8.8	7.4	5.9	4.7	4.4	4.9	4.4	.5	.2	-.1	.7	-.1	.2	.4	.1	.9	1.2	.8	.4	.2	.2	.2	.2	2.3
29	.2	.4	.2	.2	.2	.2	.4	.4	.2	.4	.2	.2	.2	.4	.7	3.1	6.6	6.2	3.3	3.0	4.0	3.8	3.2	3.0	1.7
30	3.8	2.0	4.6	4.7	3.5	2.9	5.0	4.2	2.0	1.2	.6	.8	.9	1.3	1.2	2.3	2.6	3.1	3.0	5.3	2.7	2.0	2.1	1.9	2.6
HOURLY MEAN	3.7	3.4	3.5	3.3	2.8	2.8	3.0	1.6	.2	-.2	-.4	-.4	-.5	-.3	-.1	.5	2.0	3.3	3.5	3.2	3.1	3.5	3.4	3.5	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	7.9	4.4	2.6	4.3	3.8	5.1	7.6	9.6	5.8	2.8	8.4	10.3	6.5	10.4	10.6	6.5	6.3	5.7	1.9	.2	6.1	8.6	5.1	2.4	10.2
MIN	-1.0	-.7	.1	-.8	-.4	-1.1	-.9	-1.0	-1.3	-1.4	-.8	-.5	-1.3	-1.2	-.9	-.6	-.8	-1.1	-.8	-.3	-2.3	-1.6	-.2	-.1	.2

  

DAY	26	27	28	29	30	31
MAX	11.6	12.9	8.8	6.6	5.3	***
MIN	-.2	.0	-.1	.2	.6	***

MONTHLY AVERAGE = 2.0    MONTHLY MAXIMUM = 12.9    MONTHLY MINIMUM = -2.3  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 99.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 3 FROM :11/ 1/1992 TO :11/30/1992

SOLAR RADIATION (LANGLEYS/HR)  
NOVEMBER - 1992

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	.0	.0	.0	.0	.0	.0	.0	.2	.5	.6	.8	.9	.9	.7	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.2
2	.0	.0	.0	.0	.0	.0	.0	.1	.2	.3	.3	.3	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
3	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.4	.5	.5	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1
4	.0	.0	.0	.0	.0	.0	.0	.1	.2	.4	.8	.9	.8	.7	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.2
5	.0	.0	.0	.0	.0	.0	.0	.1	.2	.3	.4	.4	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1
6	.0	.0	.0	.0	.0	.0	.0	.1	.3	.6	.8	.8	.8	.7	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0	.1	.3	.4	.6	.9	.8	.6	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
8	.0	.0	.0	.0	.0	.0	.0	.1	.2	.5	.4	.8	.8	.7	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
9	.0	.0	.0	.0	.0	.0	.0	.2	.4	.5	.7	.8	.8	.7	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
10	.0	.0	.0	.0	.0	.0	.0	.1	.2	.4	.4	.4	.8	.7	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1
11	.0	.0	.0	.0	.0	.0	.0	.0	.1	.4	.5	.4	.5	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2	.2	.4	.5	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
13	.0	.0	.0	.0	.0	.0	.0	.2	.4	.5	.7	.8	.6	.5	.4	CAL	CAL	.0	.0	.0	.0	.0	.0	.0	.2
14	.0	.0	.0	.0	.0	.0	.0	.2	.3	.5	.7	.8	.7	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
15	.0	.0	.0	.0	.0	.0	.0	.1	.4	.5	.7	.8	.7	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1
16	.0	.0	.0	.0	.0	.0	.0	.1	.3	.6	.5	.6	.4	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1
17	.0	.0	.0	.0	.0	.0	.0	.1	.4	.4	.5	.7	CAL	CAL	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
18	.0	.0	.0	.0	.0	.0	.0	.1	.3	.4	.7	.6	.7	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1
19	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.6	.6	.7	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1
20	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
21	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.5	.6	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1
22	.0	.0	.0	.0	.0	.0	.0	.1	.2	.3	.3	.4	.5	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1
23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.4	.4	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1
24	.0	.0	.0	.0	.0	.0	.0	.1	.2	.3	.4	.5	.5	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2
25	.0	.0	.0	.0	.0	.0	.0	.1	.3	.5	.5	.6	.8	.6	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
26	.0	.0	.0	.0	.0	.0	.0	.1	.3	.5	.7	.7	.7	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
27	.0	.0	.0	.0	.0	.0	.0	.1	.3	.5	.7	.7	.7	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
28	.0	.0	.0	.0	.0	.0	.0	.1	.3	.4	.6	.8	.7	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
29	.0	.0	.0	.0	.0	.0	.0	.1	.2	.5	.6	.7	.7	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
30	.0	.0	.0	.0	.0	.0	.0	.1	.3	.5	.7	.7	.7	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
HOURLY MEAN	.0	.0	.0	.0	.0	.0	.0	.1	.2	.4	.5	.6	.6	.5	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	.9	.5	.5	.9	.4	.8	.9	.8	.8	.8	.6	.5	.8	.8	.8	.6	.7	.7	.7	.2	.6	.5	.4	.5	.8
MIN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

  

DAY	26	27	28	29	30	31
MAX	.7	.7	.8	.7	.7	***
MIN	.0	.0	.0	.0	.0	***

MONTHLY AVERAGE = .1    MONTHLY MAXIMUM = .9    MONTHLY MINIMUM = -.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 99.4%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :11/ 1/1992 TO :11/30/1992

OZONE (PPB)  
NOVEMBER - 1992

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	14	16	20	11	7	1	1	5	13	31	34	38	41	41	39	36	33	22	12	19	13	16	28	30	22
2	24	17	22	19	23	20	19	21	30	35	35	34	34	CAL	28	28	30	25	13	2	1	1	1	3	20
3	4	13	13	1	9	11	3	5	11	13	14	18	20	20	19	18	16	17	14	15	17	17	17	15	13
4	14	13	14	6	3	5	1	1	8	18	22	25	27	28	28	29	28	20	10	15	20	8	1	1	14
5	1	1	1	1	1	1	1	4	6	6	7	10	12	19	23	26	25	21	15	17	8	5	1	1	9
6	1	3	7	7	2	4	3	4	9	20	27	32	34	34	36	35	31	15	14	6	1	1	7	6	14
7	2	5	12	8	9	5	2	10	12	14	22	31	31	38	33	32	24	11	1	1	3	8	1	1	13
8	1	1	1	1	6	6	8	5	4	18	24	34	40	44	49	47	34	27	18	13	28	20	18	19	19
9	1	1	1	1	1	2	2	3	6	10	24	35	42	40	41	36	28	18	22	16	31	28	29	34	19
10	29	19	17	25	29	27	22	28	29	31	36	38	40	36	31	32	30	28	28	32	29	26	25	26	29
11	22	14	9	11	11	7	1	2	4	12	17	10	9	CAL	CAL	26	28	25	9	2	3	4	2	2	10
12	1	5	6	20	16	16	15	14	22	27	28	28	29	28	28	21	18	13	8	11	10	4	1	4	16
13	26	22	20	11	7	1	1	5	7	11	14	14	23	26	29	30	26	15	***	1	1	1	1	1	13
14	1	1	1	1	1	1	1	63	5	12	23	36	38	39	40	38	32	19	17	3	1	1	1	1	16
15	1	1	1	1	1	8	2	6	15	19	22	29	***	34	33	30	21	18	15	3	1	1	1	1	12
16	1	2	10	13	11	7	5	3	6	12	13	12	24	28	21	10	1	1	1	1	1	1	1	2	8
17	3	1	1	1	1	1	1	3	4	6	8	12	23	28	25	24	10	1	1	1	1	1	1	1	7
18	1	1	1	1	1	1	1	1	3	5	11	22	CAL	CAL	29	25	14	7	9	5	1	1	1	1	6
19	5	7	6	3	2	1	1	1	2	4	9	14	20	21	19	20	19	17	12	11	14	15	17	16	11
20	13	15	8	7	13	12	9	9	14	13	12	9	9	6	8	20	22	21	18	15	15	16	21	20	14
21	17	17	20	19	18	20	21	17	19	22	22	23	25	26	26	23	17	13	1	1	3	3	1	1	16
22	1	1	1	4	1	1	1	10	13	19	30	33	33	32	27	25	23	9	2	3	3	1	1	1	11
23	1	1	1	1	1	1	1	1	10	20	14	17	20	20	19	18	20	20	21	19	19	18	19	18	13
24	16	19	19	15	18	22	20	21	22	21	24	25	25	26	27	23	19	16	5	10	10	11	7	3	18
25	6	12	4	1	1	1	1	3	8	15	25	31	35	37	38	CAL	CAL	20	1	2	3	2	1	1	11
26	1	8	10	17	21	22	22	18	26	30	33	35	38	51	53	52	48	34	6	4	5	3	1	1	23
27	9	11	18	13	14	20	19	16	22	28	32	35	35	41	42	38	21	1	1	1	1	4	1	1	18
28	1	1	1	1	1	3	3	9	15	18	22	36	43	41	42	44	41	32	31	34	34	35	32	29	23
29	31	30	23	24	31	30	27	32	33	33	31	34	37	38	38	35	27	2	1	5	9	1	1	5	23
30	11	18	7	1	15	18	8	4	11	18	24	29	32	37	35	34	29	24	26	20	30	38	36	39	23
HOURLY MEAN	9	9	9	8	9	9	7	11	13	18	22	26	29	32	31	29	25	17	11	10	11	10	9	9	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	41	35	20	29	26	36	38	49	42	40	28	29	30	63	34	28	28	29	21	22	26	33	21	27	38
MIN	1	1	1	1	1	1	1	1	1	17	1	1	1	1	1	1	1	1	1	6	1	1	1	3	1

  

DAY	26	27	28	29	30	31
MAX	53	42	44	38	39	***
MIN	1	1	1	1	1	***

MONTHLY AVERAGE = 15.4    MONTHLY MAXIMUM = 63.0    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 98.8%    OPERATIONAL RECOVERY RATE = 99.7%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAMMP  
SITE 4 FROM :11/ 1/1992 TO :11/30/1992

CARBON MONOXIDE (PPM)  
NOVEMBER - 1992

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	.3	.2	.1	.4	.5	.5	.6	.8	.8	.1	.1	.1	.1	.1	.1	.1	.1	.3	.5	.3	.4	.4	.1	.1	.3
2	.1	.1	.1	.1	.1	.1	.2	.1	.1	.1	.1	.1	.1	CAL	.1	.1	.1	.3	.5	.8	.8	.9	.9	.8	.3
3	.5	.4	.4	.6	.4	.4	.6	.8	.4	.2	.3	.3	.3	.3	.3	.3	.3	.4	.4	.4	.3	.4	.3	.4	.4
4	.4	.3	.3	.3	.3	.3	.6	1.1	1.0	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.5	1.2	1.4	.5
5	.9	.8	.7	.8	1.0	.7	.6	.5	1.2	1.7	1.9	1.4	1.2	.6	.4	.3	.3	.3	.4	.4	.5	.9	1.1	.6	.6
6	.7	.6	.5	.4	.5	.5	.5	.8	1.1	.8	.6	.5	.5	.4	.3	.3	.3	.4	.5	1.0	.7	.8	.5	1.0	.9
7	.6	.6	.5	.5	.5	.5	.5	.6	.7	.8	.9	.8	.5	.3	.3	.3	.3	.3	.3	.3	.3	.2	.2	.2	.4
8	.9	.7	.6	.6	.4	.4	.4	.6	1.0	.5	.4	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.7
9	1.3	1.3	1.1	1.0	.8	.5	.6	2.2	2.3	1.8	.6	.4	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
10	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
11	.3	.4	.5	.5	.4	.4	.6	.6	.6	.6	.7	.9	.8	CAL	CAL	.4	.3	.4	.9	2.2	2.7	2.7	1.7	1.0	.9
12	.9	.6	.5	.3	.2	.2	.3	.4	.3	.2	.2	.2	.1	.1	.1	.2	.2	.3	.4	.3	.3	.4	.5	.4	.3
13	.1	.1	.1	.2	.3	.7	.6	.6	1.6	1.4	1.1	1.2	.5	.3	.2	.2	.2	.4	***	1.2	1.2	1.0	.9	.9	.6
14	1.1	.9	.8	1.1	1.2	1.3	1.4	.9	1.3	.7	.4	.1	.1	.1	.1	.1	.2	.3	.4	1.0	1.1	1.2	1.3	1.2	.8
15	1.0	.9	1.5	.9	.5	.4	.5	.6	.5	.5	.4	.2	***	.2	.3	.1	.3	.3	.3	.5	1.0	.6	.4	.7	.6
16	.7	.4	.3	.2	.2	.2	.3	.7	.9	.9	.9	.8	.3	.3	.3	.4	.6	.6	.6	.6	.7	.6	.6	.7	2.2
17	2.7	1.7	1.0	1.3	.9	.5	.6	1.3	1.7	1.1	.7	.6	.4	.3	.2	.3	.4	.6	.5	.5	.7	1.0	1.3	1.3	.9
18	.7	.9	1.9	1.2	.9	.8	1.3	1.2	.9	1.3	1.1	.3	.1	CAL	CAL	CAL	.3	.3	.3	.5	.6	.6	.6	.4	.8
19	.2	.1	.1	.1	.2	.2	.2	.4	.4	.6	.8	.6	.5	.4	.3	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1
20	.1	.1	.1	.2	.1	.1	.1	.1	.1	.1	.1	.2	.2	.3	.3	.1	.1	.1	.1	.2	.3	.5	.6	1.7	1.3
21	.2	.1	.1	.1	.1	.1	.1	.2	.2	.3	.2	.2	.1	.1	.1	.1	.2	.3	.5	.6	1.7	1.3	.8	1.1	.4
22	.9	.8	.9	.6	.6	1.1	1.4	.7	.6	.5	.6	.7	.8	.6	.7	.7	.5	.9	2.6	3.5	3.8	2.3	1.2	.8	1.2
23	.9	.9	1.3	1.2	1.0	1.8	1.6	1.8	.6	.2	.2	.2	.2	.2	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.6
24	.3	.3	.2	.3	.3	.2	.3	.3	.3	.3	.2	.2	.2	.2	.2	.2	.2	.2	.3	.1	.2	.1	.2	.3	.2
25	.3	.2	.3	.4	.6	.6	.8	1.9	2.2	1.7	1.7	1.0	.3	.1	.1	.1	CAL	.4	1.4	2.3	2.2	1.6	1.2	.9	1.0
26	.7	.5	.4	.3	.3	.2	.3	.4	.4	.4	.7	.8	.9	.9	.6	.6	.5	.4	.9	1.7	2.2	1.5	1.0	1.0	.7
27	.5	.5	.3	.3	.3	.3	.4	.6	.7	.9	.7	.8	.9	.7	.3	.3	.4	.8	.9	1.2	1.0	1.0	1.2	1.1	.7
28	1.4	1.0	.8	.9	.6	.5	.5	.6	1.0	1.1	1.1	.5	.3	.3	.2	.1	.2	.2	.2	.1	.1	.1	.1	.1	.5
29	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.2	.3	.9	1.0	.7	.6	.8	.8	.6	.3
30	.5	.3	.4	.4	.3	.4	.5	1.5	2.0	2.2	1.8	1.3	.5	.2	.3	.2	.3	.3	.3	.4	.2	.1	.1	.1	.6
HOURLY MEAN	.7	.5	.5	.5	.5	.5	.6	.8	.8	.7	.6	.5	.4	.3	.3	.3	.3	.3	.4	.6	.7	.9	.7	.7	.7

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	.8	.9	.8	1.4	1.9	1.1	1.0	1.0	2.3	.3	2.7	.9	1.6	1.4	1.5	2.2	2.7	1.9	.8	.3	1.7	3.8	1.8	.3	2.3
MIN	.1	.1	.2	.3	.3	.3	.3	.2	.3	.3	.3	.1	.1	.1	.1	.2	.2	.1	.1	.1	.1	.5	.2	.1	.1

  

DAY	26	27	28	29	30	31
MAX	2.2	1.2	1.4	1.0	2.2	***
MIN	.2	.3	.1	.1	.1	***

MONTHLY AVERAGE = .6    MONTHLY MAXIMUM = 3.8    MONTHLY MINIMUM = .1  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 98.8%    OPERATIONAL RECOVERY RATE = 99.7%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :11/ 1/1992 TO :11/30/1992

SULFUR DIOXIDE (PPB)  
NOVEMBER - 1992

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	3	3	4	4	4	5	4	5	4	2	1	3	3	3	3	2	2	2	2	3	3	4	1	2	3
2	4	12	8	7	4	2	2	2	2	2	2	1	1	CAL	1	1	2	1	2	4	4	4	6	7	4
3	4	3	3	3	3	3	3	3	3	2	2	2	1	1	2	2	2	1	1	2	1	1	1	1	2
4	1	2	1	2	3	2	3	3	3	3	3	2	2	2	2	2	2	1	1	1	1	2	4	5	2
5	4	4	3	4	4	3	2	2	5	8	8	8	6	4	3	3	3	2	3	2	2	3	3	4	4
6	3	2	3	2	2	3	3	3	4	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3
7	3	3	2	2	2	3	3	3	3	4	5	4	12	3	6	1	2	4	7	5	3	2	4	4	4
8	6	4	3	3	2	2	4	10	22	11	3	3	2	4	3	7	6	5	2	2	1	2	2	2	5
9	6	6	6	5	5	3	4	7	19	27	11	5	3	1	1	2	3	5	2	1	2	2	2	2	2
10	2	2	3	2	1	1	2	2	2	3	3	7	CAL	CAL	CAL	CAL	CAL	CAL	CAL	10	8	5	7	4	4
11	2	2	2	2	2	2	2	2	3	3	7	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	1	1	2	1	1	1
12	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	2	1	1	1	2	1	1	1
13	1	1	1	1	1	2	1	1	11	4	10	17	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	4	3	1	1	3	6	10	1	1	1	1	1	1	1	1	1	1	1	1	1	2
15	1	1	6	1	1	1	1	1	1	1	1	1	1	1	3	4	3	4	1	1	6	4	1	1	1
16	1	1	1	1	1	1	1	1	1	3	CAL	CAL	CAL	1	1	2	5	3	3	3	3	3	4	9	2
17	10	4	4	8	6	5	4	11	12	20	34	38	11	5	1	1	1	1	1	1	1	3	7	5	8
18	1	1	5	4	3	4	7	4	CAL	CAL	CAL	9	2	1	1	1	1	1	1	2	5	5	3	1	3
19	1	1	1	1	1	1	1	1	1	9	13	20	12	10	7	2	1	1	1	1	1	1	1	1	4
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	3	2	1	1	1	1	1	7	5	7	6	5	9	22	21	17	7	1	1	5
23	1	1	2	1	1	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	2	2	3	4	4	4	4	6	3	1	CAL	CAL	1	1	4	5	7	5	3	1	3
26	1	1	1	1	1	1	1	1	1	1	2	5	4	3	1	1	1	1	1	1	2	1	1	1	1
27	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
28	3	2	3	2	1	1	1	1	2	5	38	16	8	7	5	4	3	1	1	1	1	1	1	1	5
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	4	10	3	1	3	4	5	9	7	24	29	1	1	1	1	1	1	1	1	1	1	1	5
HOURLY MEAN	2	2	3	3	2	2	2	3	4	5	6	6	4	3	2	2	2	2	2	3	3	2	2	2	2

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	5	12	4	5	8	4	12	22	27	3	10	3	17	10	6	9	38	9	20	1	1	22	3	1	7
MIN	1	1	1	1	2	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1

  

DAY	26	27	28	29	30	31
MAX	5	2	38	1	29	***
MIN	1	1	1	1	1	***

MONTHLY AVERAGE = 2.9    MONTHLY MAXIMUM = 38.2    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 97.4%    OPERATIONAL RECOVERY RATE = 99.7%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE



ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :11/ 1/1992 TO :11/30/1992

NITRIC OXIDE (PPB)  
NOVEMBER - 1992

DAY	HOUR																								DAILY	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	6	6	5	14	14	17	22	35	36	6	6	6	6	11	10	7	7	7	8	8	8	8	8	8	8	11
2	9	9	8	8	7	8	7	8	6	5	4	5	5	CAL	4	5	5	2	1	6	12	20	30	13	8	
3	5	3	4	19	5	3	16	27	17	7	6	3	1	1	1	1	1	1	1	1	1	1	1	1	5	
4	1	1	1	1	1	1	14	52	33	4	3	3	4	17	27	6	4	3	2	1	1	4	50	61	12	
5	32	23	17	23	37	28	8	10	44	73	78	52	36	13	9	6	4	4	4	5	4	4	16	11	23	
6	6	5	5	5	6	5	7	19	31	22	13	8	4	8	8	4	4	5	5	8	22	35	5	3	10	
7	4	3	2	2	1	3	6	12	20	23	27	19	17	13	15	8	7	7	27	19	16	9	22	18	12	
8	29	15	10	8	4	4	6	30	80	22	11	8	7	14	12	8	6	5	7	6	4	4	4	4	13	
9	54	63	63	43	30	13	24	132	103	86	20	10	7	12	10	7	6	5	6	5	3	2	2	2	30	
10	1	1	1	1	1	1	1	2	2	2	1	1	2	6	4	3	2	1	2	2	3	3	4	4	2	
11	5	5	5	5	5	9	16	14	16	17	19	CAL	CAL	CAL	CAL	CAL	1	1	28	115	145	151	88	32	36	
12	25	9	4	3	2	1	1	4	3	1	1	1	4	12	27	12	6	5	8	5	4	10	17	9	7	
13	2	2	2	4	8	47	28	23	92	64	50	62	17	16	28	10	6	6	***	48	55	37	29	31	29	
14	48	38	34	55	74	57	33	55	76	34	24	6	6	18	28	8	6	5	5	29	33	40	40	40	33	
15	24	31	94	36	7	2	5	13	11	16	13	9	***	28	34	11	9	7	7	23	49	14	9	17	20	
16	22	8	4	4	5	5	6	25	37	44	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	44	37	39	49	163	33		
17	202	125	66	122	86	44	45	115	113	70	66	53	20	13	8	5	1	6	1	2	24	41	78	77	58	
18	32	43	131	82	62	63	115	95	CAL	CAL	CAL	CAL	9	12	17	1	1	1	1	1	9	6	9	5	35	
19	3	3	3	4	3	3	6	16	15	36	42	33	22	17	13	7	3	3	3	3	2	2	1	1	10	
20	1	2	2	1	1	2	2	3	3	4	5	5	5	6	7	1	1	1	1	1	1	1	1	1	2	
21	1	1	1	1	1	1	1	1	1	4	4	7	6	6	6	6	4	2	13	9	71	40	8	36	10	
22	21	8	19	1	10	54	77	25	22	16	16	21	28	15	12	8	3	12	111	161	171	83	39	16	40	
23	25	34	76	63	41	97	79	98	20	4	5	3	1	1	1	1	1	1	1	1	1	1	1	1	23	
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
25	2	2	3	21	36	39	53	112	103	70	61	39	13	5	CAL	CAL	4	8	68	129	133	85	51	27	48	
26	6	1	1	1	1	1	1	5	11	14	29	34	39	25	11	7	3	4	12	60	90	46	20	18	18	
27	1	1	1	1	1	1	1	8	18	27	20	23	28	18	9	7	5	15	19	31	15	20	34	31	14	
28	57	25	18	21	7	1	2	20	42	58	64	24	12	12	9	6	4	5	5	4	3	1	1	1	17	
29	1	1	1	1	1	1	1	1	1	2	7	5	4	4	5	4	3	14	15	6	1	6	7	1	4	
30	1	1	1	2	1	1	1	49	75	97	75	55	29	13	15	11	9	9	9	9	9	8	6	5	20	
HOURLY MEAN	21	16	19	18	15	17	19	34	36	29	24	18	12	12	12	6	4	5	13	25	31	24	21	21		

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	36	30	27	61	78	35	27	80	132	6	151	27	92	76	94	163	202	131	42	7	71	171	98	1	133
MIN	5	1	1	1	4	3	1	4	2	1	1	1	2	5	2	4	1	1	1	1	1	1	1	1	2

DAY	26	27	28	29	30	31
MAX	90	34	64	15	97	***
MIN	1	1	1	1	1	***

MONTHLY AVERAGE = 19.0    MONTHLY MAXIMUM = 201.7    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 96.8%    OPERATIONAL RECOVERY RATE = 99.7%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :11/ 1/1992 TO :11/30/1992

NITROGEN DIOXIDE (PPB)  
NOVEMBER - 1992

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	17	12	7	18	22	29	27	26	23	5	5	4	4	5	5	4	6	14	25	17	24	21	8	6	14
2	10	18	14	17	10	13	10	11	6	3	3	4	2	CAL	5	7	7	8	21	39	42	43	45	44	17
3	29	20	19	34	24	19	29	26	15	4	3	3	2	3	3	4	5	6	8	5	4	4	3	5	11
4	5	6	6	10	14	11	19	21	16	5	3	3	2	3	4	4	4	6	15	10	4	17	30	33	11
5	32	31	29	32	31	24	22	17	28	43	56	51	47	26	19	12	10	12	14	9	19	19	27	33	27
6	34	31	24	20	28	27	27	25	26	20	13	10	10	9	6	5	7	21	17	28	34	37	27	27	21
7	31	28	21	26	24	28	32	24	27	33	34	27	21	8	9	6	13	28	45	34	30	20	34	32	26
8	32	33	31	29	24	22	23	30	37	23	16	7	6	8	6	11	15	18	17	22	4	11	13	11	19
9	42	39	40	41	38	33	34	43	45	48	22	11	4	4	4	8	12	20	16	23	4	6	6	2	23
10	3	10	14	5	2	3	9	7	7	5	2	1	1	5	5	4	5	5	5	4	3	3	3	3	5
11	4	15	21	19	18	18	24	23	24	21	26	CAL	CAL	CAL	CAL	CAL	18	18	40	54	48	43	46	45	28
12	41	35	29	11	13	12	13	15	9	6	6	6	6	9	10	18	21	26	27	25	25	33	31	30	19
13	8	8	7	16	21	34	29	26	43	39	41	48	21	16	13	12	14	25	***	42	35	35	34	35	26
14	35	35	35	37	39	37	37	27	39	27	19	3	3	3	3	4	5	14	15	35	42	40	38	36	25
15	35	33	39	32	27	19	27	23	14	18	14	7	***	8	11	9	17	14	17	32	37	31	26	31	23
16	32	27	16	12	14	19	22	28	27	33	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	38	39	41	41	42	29
17	47	34	32	36	32	31	30	34	42	37	38	40	27	22	20	20	33	46	44	43	49	51	51	46	37
18	39	39	45	42	39	36	42	33	CAL	CAL	CAL	CAL	11	9	8	9	18	23	24	35	40	41	39	29	30
19	20	15	15	15	15	18	18	19	19	27	33	34	29	26	22	19	12	11	12	12	10	9	8	8	18
20	11	9	16	18	10	11	12	14	12	12	13	15	12	15	14	6	6	7	9	9	9	10	7	8	11
21	11	6	6	7	8	7	5	8	7	10	8	7	7	6	7	10	16	16	35	36	42	40	36	39	16
22	39	37	40	33	41	45	44	24	22	19	26	33	39	32	33	34	29	45	82	94	99	73	49	46	44
23	46	47	55	51	48	55	54	54	26	10	6	5	4	4	4	5	5	5	4	5	4	5	4	5	21
24	8	4	5	10	7	4	5	5	5	6	4	4	3	3	4	7	11	13	25	15	15	13	20	25	9
25	22	13	22	32	34	35	34	37	42	41	53	36	12	5	CAL	CAL	6	23	50	54	61	54	48	47	35
26	43	32	30	22	18	16	18	25	20	17	32	37	46	44	24	22	21	23	51	57	58	55	52	51	34
27	36	34	24	31	31	22	25	30	27	32	22	26	32	25	12	14	30	50	48	49	50	44	52	50	33
28	51	48	47	47	44	41	40	38	41	47	51	26	13	17	13	10	12	18	16	9	8	5	6	9	27
29	6	5	5	7	4	3	6	3	3	3	5	4	3	4	5	8	17	46	48	43	36	46	44	37	16
30	29	22	36	46	28	24	37	49	48	72	65	54	27	8	11	10	14	19	17	23	12	3	4	3	27
HOURLY																									
MEAN	27	24	24	25	24	23	25	25	24	23	22	19	15	12	10	10	13	20	27	30	30	28	28	27	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	29	45	34	33	56	37	45	37	48	14	54	41	48	42	39	42	51	45	34	18	42	99	55	25	61
MIN	4	2	2	2	9	5	6	4	2	1	4	6	7	3	7	12	20	8	8	6	5	19	4	3	5
DAY	26	27	28	29	30	31																			
MAX	58	52	51	48	72	***																			
MIN	16	12	5	3	3	***																			

MONTHLY AVERAGE = 22.5    MONTHLY MAXIMUM = 99.1    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 96.8%    OPERATIONAL RECOVERY RATE = 99.7%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :11/ 1/1992 TO :11/30/1992

NITROGEN OXIDES (PPB)  
NOVEMBER - 1992

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	24	19	13	32	37	46	50	62	60	12	12	11	12	17	16	12	13	22	33	26	33	31	17	15	26
2	19	28	24	26	18	22	18	20	13	9	9	10	8	CAL	10	14	13	12	21	46	55	64	76	58	26
3	35	25	24	54	29	24	46	54	33	12	10	6	4	3	4	5	5	5	6	4	4	3	3	5	17
4	5	6	6	12	16	13	34	75	50	10	8	7	7	21	33	11	9	10	18	13	6	23	82	95	24
5	64	55	47	56	70	53	31	29	74	118	135	104	84	40	28	18	15	17	19	15	24	24	44	45	50
6	41	37	30	25	35	33	35	45	57	44	26	18	15	18	15	11	12	26	23	37	57	73	32	30	32
7	36	32	24	29	26	31	38	37	48	57	61	47	38	22	25	14	21	36	74	54	47	30	57	51	39
8	62	49	42	38	28	27	30	62	119	46	28	16	15	23	18	20	22	24	25	29	10	16	18	17	33
9	98	103	105	85	69	48	60	177	150	136	43	23	12	17	15	16	19	26	22	29	8	9	9	5	53
10	5	12	16	8	4	5	12	10	11	9	5	4	5	12	10	8	8	8	8	8	7	7	8	8	8
11	10	21	27	25	24	27	40	38	40	38	46	CAL	CAL	CAL	CAL	CAL	19	19	68	171	195	196	136	78	64
12	68	45	34	15	16	14	14	20	13	9	8	9	11	21	38	31	28	32	36	31	30	44	49	41	27
13	11	11	10	21	30	83	58	50	136	105	92	111	40	32	42	23	21	32	***	91	91	74	64	67	56
14	84	74	71	93	115	96	71	83	117	62	44	10	10	22	31	12	12	20	22	65	76	81	79	77	59
15	59	66	134	69	36	22	33	38	26	35	28	17	***	37	46	20	27	22	25	55	87	46	36	50	44
16	56	36	21	17	20	25	29	53	65	79	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	82	77	81	91	206	62
17	249	160	99	159	119	76	76	150	156	108	105	94	48	36	29	26	35	53	45	46	74	93	130	124	95
18	73	83	177	125	101	100	157	129	CAL	CAL	CAL	CAL	21	22	26	9	16	22	24	37	50	48	49	35	65
19	23	19	19	19	19	22	25	35	35	64	76	68	52	44	35	26	16	15	15	16	14	12	11	11	29
20	13	12	19	21	13	14	15	18	16	17	20	21	17	21	22	8	7	7	9	10	9	10	7	7	14
21	10	5	5	6	7	6	4	8	9	14	13	15	14	13	13	17	20	19	48	46	115	80	45	76	25
22	61	46	60	33	52	100	121	50	45	36	44	55	68	47	46	43	33	57	193	255	271	157	88	63	84
23	72	81	131	115	89	152	134	152	47	15	12	9	7	4	3	4	1	1	1	2	1	2	1	1	43
24	5	1	1	7	5	1	3	3	5	8	5	7	5	5	4	8	11	13	27	17	17	15	22	28	9
25	25	17	27	54	71	75	88	151	145	111	115	76	26	11	CAL	CAL	10	33	120	184	194	139	100	75	84
26	49	32	30	22	18	16	18	31	32	31	62	72	86	70	36	30	25	28	64	118	148	102	72	70	53
27	36	34	25	32	32	23	25	38	46	60	44	50	60	45	22	22	35	66	67	81	66	64	86	83	48
28	109	74	66	70	52	43	43	59	84	107	116	50	26	30	23	18	17	24	22	14	12	8	8	11	45
29	8	8	7	8	4	3	5	3	4	6	13	10	8	9	11	12	20	61	64	50	37	53	51	38	21
30	30	22	36	49	28	24	38	99	123	169	140	110	57	22	27	22	23	29	27	33	22	12	11	8	48
HOURLY																									
MEAN	48	40	44	44	39	41	45	59	61	53	47	38	28	25	23	17	18	25	40	55	61	53	49	49	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	62	76	54	95	135	73	74	119	177	16	196	68	136	117	134	206	249	177	76	22	115	271	152	28	194
MIN	11	8	3	5	15	11	14	10	5	4	10	8	10	10	17	17	26	9	11	7	4	33	1	1	10
-----																									
										DAY	26	27	28	29	30	31									
										MAX	148	86	116	64	169	***									
										MIN	16	22	8	3	8	***									

MONTHLY AVERAGE = 42.2    MONTHLY MAXIMUM = 270.7    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 96.8%    OPERATIONAL RECOVERY RATE = 99.7%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :12/ 1/1992 TO :12/31/1992

10M WIND SPEED (MPH)  
DECEMBER - 1992

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	25.5	19.5	21.9	20.2	17.6	11.6	12.7	11.5	5.7	6.3	12.2	17.8	15.7	12.9	11.5	10.2	8.6	11.6	13.7	10.2	9.9	9.8	9.1	9.8	13.1
2	9.2	9.5	12.5	14.9	6.7	7.1	7.1	6.2	4.6	3.5	3.6	7.0	7.0	5.0	5.4	4.7	2.8	2.6	6.1	4.9	4.0	5.1	4.5	6.1	6.3
3	7.4	3.9	6.8	6.3	4.9	11.2	14.2	7.4	2.5	3.6	6.0	10.6	11.5	8.2	8.4	6.6	9.4	7.7	7.7	7.6	7.5	6.3	5.8	6.0	7.4
4	6.5	7.0	6.7	3.6	3.9	3.7	3.3	3.6	2.9	4.5	6.5	6.1	5.6	2.5	4.7	6.0	8.8	9.1	8.8	10.0	8.1	7.8	7.4	6.6	6.0
5	4.1	2.2	4.3	4.9	5.4	2.6	3.0	3.9	4.9	6.2	8.8	11.8	15.4	14.3	7.6	7.4	8.5	6.9	4.2	5.8	6.2	7.8	7.8	7.2	6.7
6	6.8	8.2	7.6	2.5	1.3	1.0	2.8	5.0	6.6	3.5	6.0	7.7	8.4	4.3	1.8	1.9	2.9	2.2	2.9	2.9	5.1	6.5	6.5	6.0	4.6
7	6.5	7.8	8.8	9.1	7.0	5.2	9.7	7.9	3.5	3.4	2.6	5.5	4.7	5.1	3.7	2.9	5.1	3.9	3.0	2.3	4.2	4.8	5.6	2.4	5.2
8	2.5	3.5	3.2	4.4	2.6	4.0	6.8	6.9	6.7	7.8	5.6	3.5	8.7	3.6	3.5	4.3	6.5	6.5	17.2	10.5	7.3	9.2	9.0	10.6	11.6
9	13.6	11.9	10.4	7.9	10.5	5.2	9.1	7.3	11.8	9.0	5.6	13.0	9.7	15.2	16.7	19.7	22.5	15.5	17.2	10.5	6.9	6.4	8.3	11.4	8.3
10	10.3	10.7	11.6	11.9	11.0	8.0	9.1	12.0	11.1	10.6	7.5	3.9	5.4	4.1	11.1	9.2	4.9	3.4	5.1	6.1	4.5	2.4	6.1	8.4	7.3
11	12.4	12.6	9.4	9.0	10.9	11.1	10.9	9.6	9.3	6.5	6.0	6.0	4.8	3.2	5.9	5.4	4.9	5.3	4.7	5.4	7.0	4.1	4.6	6.9	7.1
12	10.4	5.7	4.5	4.2	4.3	5.3	5.1	6.4	4.6	5.7	6.6	7.0	7.1	8.3	7.7	8.5	10.2	12.1	11.8	12.9	6.1	3.2	4.5	4.1	12.2
13	10.3	10.6	16.7	18.3	22.7	14.7	10.8	9.7	11.2	12.0	14.5	22.4	20.8	13.3	10.3	11.2	8.9	11.1	13.8	11.1	6.1	3.2	4.5	4.1	12.2
14	2.4	4.7	7.2	7.0	8.4	8.8	7.1	6.6	11.0	11.1	8.9	8.0	6.2	5.5	3.5	4.5	4.9	4.9	3.7	3.9	7.8	7.7	6.3	6.5	6.5
15	6.2	3.6	4.8	6.2	9.5	11.4	11.9	10.6	6.8	6.9	6.0	9.2	7.8	4.3	3.1	6.8	8.9	10.3	10.4	9.3	5.4	5.9	3.0	9.4	7.4
16	7.1	14.8	12.9	8.6	6.3	4.5	4.7	3.5	1.7	1.8	1.0	5.0	5.3	6.8	6.8	6.4	4.9	5.7	5.1	3.9	4.0	2.1	1.9	2.7	5.3
17	5.5	5.5	6.5	5.8	6.2	5.8	5.4	3.6	4.5	4.5	3.8	5.3	2.7	3.2	2.0	3.5	4.6	4.3	4.6	6.9	6.8	7.3	5.4	7.6	5.1
18	7.3	7.2	3.2	4.2	6.7	7.0	8.0	8.9	7.2	3.8	4.2	5.0	10.9	8.5	8.5	9.3	8.9	8.1	7.8	5.7	3.7	3.8	4.8	6.3	6.6
19	6.9	7.6	5.9	6.3	6.4	9.7	5.6	7.4	8.7	7.8	7.2	5.9	4.7	5.5	6.3	7.6	9.6	4.9	1.1	1.2	.7	1.7	1.0	2.3	5.5
20	2.9	3.7	2.4	3.1	2.8	6.0	6.4	9.4	7.7	7.7	5.7	3.9	4.2	6.7	7.8	6.9	4.8	3.5	5.8	2.9	4.2	5.6	8.2	8.4	5.4
21	10.9	18.5	20.1	15.1	5.5	6.9	5.5	11.8	11.6	7.0	6.3	4.3	3.8	6.0	6.9	7.2	5.4	3.3	4.8	6.5	4.3	5.8	5.9	7.8	8.0
22	8.8	7.3	8.4	6.9	7.2	9.3	9.5	10.3	7.8	6.7	3.5	5.3	13.0	15.0	19.6	12.9	14.3	22.8	21.9	11.3	15.7	21.8	25.6	10.4	12.3
23	16.1	23.5	14.7	6.6	5.6	9.9	10.0	10.9	11.9	10.1	14.3	16.4	10.2	7.1	6.3	3.4	3.4	9.1	3.7	3.1	3.5	4.0	5.3	5.5	8.9
24	3.0	4.1	3.2	5.1	8.6	10.5	12.6	12.8	20.8	14.5	15.4	4.8	6.1	5.5	3.2	13.2	25.2	15.9	24.5	22.3	29.4	14.2	14.5	16.7	12.8
25	14.0	4.3	5.0	7.4	11.0	11.9	12.6	12.1	12.8	15.3	10.4	7.9	8.9	4.9	2.9	4.2	8.5	10.3	8.5	4.9	5.6	6.6	1.8	1.6	8.1
26	4.8	7.2	14.1	11.1	8.5	13.6	10.6	12.8	11.5	14.5	9.2	6.3	6.9	5.6	5.0	6.2	7.7	11.0	10.6	10.9	8.8	8.7	12.6	14.7	9.7
27	8.3	12.2	13.6	15.3	12.8	8.8	13.1	8.5	10.1	10.1	9.2	10.3	10.7	5.0	8.3	10.3	8.6	5.5	5.8	5.0	4.9	4.6	2.0	2.7	8.6
28	2.9	1.5	2.2	2.1	3.0	3.3	3.5	2.9	3.1	2.1	6.5	6.0	7.4	8.8	8.9	8.5	4.1	2.2	2.4	4.1	4.3	4.3	3.7	5.4	4.3
29	1.8	3.5	4.7	6.3	4.3	2.4	4.1	10.7	6.5	9.0	8.0	9.4	5.6	6.7	8.4	4.9	5.0	7.5	3.7	3.8	5.9	12.8	10.4	5.5	6.3
30	9.4	9.9	9.7	9.8	6.5	10.9	6.1	3.4	8.1	13.4	14.0	20.4	12.7	6.7	8.5	3.4	4.7	5.0	10.3	6.3	3.6	3.3	2.9	2.9	8.0
31	5.9	2.4	.7	3.4	2.6	3.0	3.2	2.4	3.5	3.7	5.8	14.5	21.8	18.6	16.0	10.9	7.7	8.8	5.9	3.9	3.2	4.7	2.4	3.4	6.6
HOURLY MEAN	8.1	8.2	8.5	8.0	7.4	7.6	7.9	7.9	7.8	7.5	7.4	8.7	8.8	7.4	7.4	7.4	7.9	7.8	7.9	6.9	6.6	6.7	6.8	7.0	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	25.5	14.9	14.2	10.0	15.4	8.4	9.7	13.3	22.5	12.0	12.6	12.9	22.7	11.1	11.9	14.8	7.6	10.9	9.7	9.4	20.1	25.6	23.5	29.4	15.3
MIN	5.7	2.6	2.5	2.5	2.2	1.0	2.3	2.5	5.2	3.4	2.4	4.1	3.2	2.4	3.0	1.0	2.0	3.2	.7	2.4	3.3	3.5	3.1	3.0	1.6

  

DAY	26	27	28	29	30	31
MAX	14.7	15.3	8.9	12.8	20.4	21.8
MIN	4.8	2.0	1.5	1.8	2.9	.7

MONTHLY AVERAGE = 7.7    MONTHLY MAXIMUM = 29.4    MONTHLY MINIMUM = .7  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAGMMP  
SITE 4 FROM :12/ 1/1992 TO :12/31/1992

WIND DIRECTION (DEGREES)  
DECEMBER - 1992

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	266	277	301	325	302	308	310	321	337	309	302	295	299	302	103	110	94	100	122	151	137	129	140	143	
2	136	143	127	120	126	210	226	210	171	156	36	353	338	338	349	18	6	246	209	195	81	24	125	151	
3	178	142	114	146	159	52	66	51	24	118	60	37	20	17	19	42	16	17	25	40	55	62	50	53	
4	38	27	19	32	34	29	184	199	170	154	156	187	201	172	139	134	137	155	156	155	166	159	158	165	
5	177	98	356	21	36	174	103	350	40	5	346	353	341	337	320	241	252	278	282	211	180	157	161	187	
6	299	337	338	355	166	130	168	178	176	193	12	10	358	346	204	321	75	256	169	166	180	214	201	186	
7	193	192	199	209	207	186	196	192	246	346	206	44	64	73	42	8	41	115	249	173	175	202	150	281	
8	180	316	314	17	321	246	185	183	175	182	170	281	9	16	178	187	197	174	167	193	188	192	195	198	
9	207	177	187	234	201	163	148	188	263	216	246	246	229	289	299	281	267	256	269	273	78	94	105	107	
10	123	136	148	150	150	156	151	126	139	158	238	219	215	342	7	341	326	262	203	191	148	185	182	194	
11	201	197	207	218	192	187	195	182	186	171	166	146	142	133	81	64	10	59	136	289	40	112	90	77	
12	355	351	334	318	34	69	325	342	351	0	336	344	26	42	34	19	23	26	20	15	8	340	297	327	
13	6	15	17	22	21	10	349	344	351	350	341	7	350	358	354	345	332	354	9	20	12	322	304	265	
14	265	236	175	174	203	194	190	182	195	194	181	184	174	139	106	90	90	93	230	191	170	180	207	192	
15	209	222	253	212	204	204	210	202	185	192	199	219	216	202	171	63	81	71	35	29	53	40	26	23	
16	26	21	5	347	343	323	345	340	337	341	81	87	87	87	87	87	87	87	87	87	87	326	160	184	171
17	187	177	163	163	166	167	195	207	171	183	132	90	74	92	353	20	86	314	162	188	171	195	216	230	
18	345	34	1	86	88	80	87	107	141	130	95	90	52	0	353	347	343	359	359	9	39	87	87	87	
19	87	87	87	87	113	201	178	174	191	190	189	196	151	134	63	50	355	348	349	118	116	195	175	205	
20	207	205	191	220	300	194	208	187	184	188	177	207	43	47	65	28	62	116	122	72	186	48	336	113	
21	241	265	295	313	290	138	92	145	147	214	198	98	187	204	241	6	14	65	30	355	356	87	87	88	
22	107	203	192	185	169	207	228	242	279	272	257	197	265	286	303	316	313	280	275	250	282	284	276	320	
23	295	277	313	182	181	203	202	184	193	194	99	101	116	90	90	90	94	90	95	330	84	189	200	244	
24	44	87	200	212	208	189	197	197	197	193	205	176	87	87	67	293	278	307	289	310	308	13	7	25	
25	17	126	129	164	153	148	164	171	183	191	195	348	14	14	133	146	285	277	320	66	87	87	126	234	
26	48	94	197	196	180	196	226	204	194	195	202	222	224	215	347	122	130	145	150	166	161	188	186	197	
27	232	191	196	195	196	201	198	192	190	184	168	181	170	118	59	345	335	26	87	87	87	83	239	176	
28	264	305	203	184	177	171	83	355	292	359	358	355	345	358	22	22	22	82	130	100	97	103	115	92	
29	317	186	214	223	253	323	220	186	184	182	189	187	27	54	125	359	33	28	73	341	76	88	139	195	
30	251	237	236	233	248	219	246	80	88	178	194	61	84	82	88	42	86	67	76	64	91	91	91	91	
31	90	90	91	193	180	188	195	187	191	189	169	151	145	133	127	133	187	301	297	276	239	230	202	146	

TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744      VALID DATA RECOVERY RATE = 100.0%      OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING      CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :12/ 1/1992 TO :12/31/1992

SIGMA THETA (DEGREES)  
DECEMBER - 1992

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	12	19	17	10	6	13	7	4	17	13	10	5	6	28	11	11	8	12	19	7	11	9	10	11	11
2	12	9	6	10	25	9	6	12	20	42	44	21	6	14	19	19	22	60	10	25	39	24	30	12	21
3	12	66	26	20	18	23	6	23	48	33	17	15	11	10	6	13	4	3	9	12	10	8	11	6	17
4	7	7	3	17	9	25	18	7	14	9	10	19	9	27	7	10	10	6	4	4	5	5	8	9	10
5	15	48	41	32	35	21	31	25	20	12	10	13	8	4	10	13	11	8	17	15	13	19	26	45	21
6	58	12	17	33	35	43	29	46	51	66	24	14	26	32	59	50	29	47	34	21	14	7	6	7	32
7	9	7	6	10	12	31	12	5	58	51	56	78	11	9	40	36	21	40	64	21	7	25	18	29	27
8	47	24	30	59	29	23	25	6	8	12	36	47	14	23	24	16	6	11	33	11	18	4	4	4	21
9	4	22	22	21	8	25	16	47	18	26	55	10	13	20	6	7	5	3	4	43	10	9	20	13	18
10	22	26	9	6	8	15	26	28	15	24	32	37	19	62	12	7	31	30	21	21	55	28	23	10	24
11	16	10	19	14	6	10	9	8	4	8	18	17	14	30	15	38	41	27	65	54	70	33	0	29	23
12	15	23	18	13	29	44	10	13	23	21	15	12	15	11	11	5	4	7	5	5	7	16	7	10	14
13	10	7	4	6	4	26	10	17	11	13	8	6	11	13	15	9	8	12	6	3	19	28	22	5	11
14	14	22	38	8	13	7	17	8	5	5	6	7	15	4	16	0	0	32	9	25	4	10	13	11	12
15	14	67	17	9	6	6	3	11	7	10	17	7	5	15	14	21	9	20	11	9	12	9	21	10	14
16	11	5	10	9	8	8	12	4	11	10	25	1	0	0	0	0	1	0	0	0	60	49	16	19	11
17	12	10	6	9	14	22	40	56	28	22	44	0	49	8	77	18	3	71	19	11	16	25	19	23	25
18	51	16	26	10	0	9	0	26	11	44	6	0	27	26	16	13	13	18	17	17	22	0	0	0	15
19	0	0	0	0	48	11	15	14	14	10	7	13	31	4	48	25	14	14	63	41	18	36	42	11	20
20	11	11	18	14	22	26	26	11	12	9	8	43	62	25	21	38	33	38	33	57	53	61	58	71	32
21	67	9	18	13	29	33	17	18	11	19	28	9	66	19	51	11	12	43	25	15	36	6	0	0	23
22	50	18	11	7	10	15	11	13	22	21	34	50	24	12	24	49	20	3	5	22	18	11	4	26	20
23	14	8	13	56	20	10	14	15	5	6	37	8	12	0	0	0	21	0	31	20	17	33	11	75	18
24	28	18	20	15	21	8	12	10	4	9	9	41	0	0	39	14	8	33	16	6	4	35	18	18	16
25	18	45	24	10	9	5	7	3	7	3	7	44	10	26	32	34	17	9	49	17	3	1	69	49	21
26	36	28	6	7	11	12	23	21	20	9	16	27	32	38	48	31	21	7	5	18	11	13	6	8	19
27	26	4	4	2	5	9	9	19	6	20	23	18	16	22	35	12	6	32	0	0	1	40	45	19	16
28	35	62	10	24	15	70	27	66	43	53	16	17	14	18	8	14	22	52	30	11	10	15	30	4	28
29	64	21	28	17	47	55	48	7	19	5	21	50	24	30	32	73	29	32	54	59	20	0	36	24	33
30	10	19	9	9	20	14	65	12	0	43	64	14	5	13	0	47	13	28	24	40	2	2	2	3	19
31	0	0	0	28	13	11	10	7	9	5	12	6	5	7	6	17	12	25	15	19	9	6	46	34	13
HOURLY MEAN	23	21	15	16	17	21	18	18	17	20	23	21	18	18	23	21	15	23	22	20	19	18	20	19	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	28	60	66	27	48	66	78	59	55	62	70	44	28	38	67	60	77	51	63	71	67	50	75	41	69
MIN	4	6	3	3	4	6	5	4	3	6	0	4	3	0	3	0	0	0	0	8	0	3	0	0	1

  

DAY	26	27	28	29	30	31
MAX	48	45	70	73	65	46
MIN	5	0	4	0	0	0

MONTHLY AVERAGE = 19.5    MONTHLY MAXIMUM = 77.7    MONTHLY MINIMUM = .3  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :12/ 1/1992 TO :12/31/1992

TEMPERATURE (DEGREES F)  
DECEMBER - 1992

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	41.0	41.3	42.1	39.5	39.2	37.8	36.5	36.9	37.3	39.2	40.1	40.8	41.3	41.5	31.4	29.0	29.1	27.5	26.9	23.7	22.3	23.0	20.2	20.7	33.7
2	21.8	20.9	22.3	22.7	21.0	19.3	18.9	19.6	21.7	26.1	28.3	26.9	26.0	25.8	25.6	24.4	22.7	21.9	22.4	23.6	22.4	22.3	19.9	20.8	22.8
3	21.7	22.1	22.7	28.0	32.0	20.1	17.4	17.3	18.7	19.9	20.6	20.7	20.0	20.6	20.6	20.1	19.3	18.9	18.7	18.4	17.8	17.0	16.3	15.7	20.2
4	14.7	13.2	11.9	11.3	11.4	9.9	9.1	9.6	10.9	10.0	13.9	18.4	20.1	22.5	20.5	19.5	16.0	12.5	11.4	10.2	11.3	10.4	8.6	10.7	13.3
5	12.4	14.5	10.5	7.4	6.1	7.3	8.5	9.4	10.3	11.5	10.6	9.8	9.1	9.3	12.2	13.9	15.4	16.7	17.0	16.9	17.4	16.6	16.1	16.8	12.3
6	16.0	9.4	7.3	5.8	5.8	3.2	6.6	20.1	27.0	32.5	14.1	12.0	13.8	16.9	20.8	20.2	18.4	20.3	20.8	21.7	20.2	19.8	19.3	19.1	16.3
7	17.3	16.4	15.5	15.2	15.2	13.9	16.0	18.3	18.6	21.6	26.3	26.3	29.0	29.0	31.8	31.2	28.0	26.5	26.0	25.7	28.7	29.1	25.5	25.9	23.2
8	25.3	23.9	23.9	22.9	23.8	23.7	23.7	25.2	26.8	29.4	34.4	37.0	31.2	29.9	32.8	35.1	36.9	36.2	34.3	34.6	32.7	32.3	33.8	33.9	30.2
9	34.4	30.3	32.1	31.0	35.7	39.8	39.2	42.1	46.5	47.3	48.1	49.0	49.8	50.2	48.4	48.3	45.6	43.7	43.4	40.8	36.3	33.2	32.7	31.3	40.8
10	30.1	28.8	27.4	27.7	27.3	27.7	27.9	28.2	32.2	34.4	36.0	38.6	40.2	42.6	34.6	30.5	27.6	27.1	28.0	29.4	30.0	31.8	34.3	37.7	31.7
11	39.3	42.2	40.8	41.8	44.0	43.3	42.8	43.3	44.3	46.8	48.5	49.8	51.1	51.6	50.5	51.9	45.3	42.3	40.1	40.5	37.2	37.1	35.3	32.0	43.4
12	27.4	25.2	24.7	25.2	25.2	24.6	24.7	25.1	25.3	26.2	26.5	26.8	27.2	26.8	26.0	25.4	24.7	23.6	22.6	22.0	21.6	20.9	20.6	21.3	24.6
13	20.8	20.0	19.8	20.0	20.4	20.5	21.1	20.6	20.0	20.6	21.0	20.0	20.3	21.0	21.4	21.3	20.8	20.1	19.7	19.2	18.3	18.3	18.0	17.7	20.0
14	17.6	16.9	14.0	11.2	10.4	9.5	9.3	10.6	13.6	16.9	21.5	25.2	29.2	30.5	30.1	27.8	22.3	19.0	18.4	19.8	17.0	18.0	19.9	21.1	18.7
15	22.2	25.0	23.8	24.0	22.8	23.0	24.2	25.0	27.1	29.3	32.1	33.6	34.3	35.4	35.9	34.4	30.9	28.8	27.7	26.5	26.3	26.3	25.5	25.4	27.9
16	24.0	23.3	22.1	20.8	20.0	19.6	19.4	19.6	20.6	22.0	26.4	24.1	23.1	23.0	21.6	20.3	18.5	15.2	13.3	13.1	16.2	14.8	15.2	15.2	19.6
17	12.8	11.6	7.7	6.5	6.3	6.5	6.7	6.6	8.7	11.8	19.4	17.5	22.9	25.0	25.9	23.1	20.6	23.3	22.5	23.6	22.3	23.6	27.3	28.4	17.1
18	21.2	12.0	13.5	14.9	16.8	18.3	18.9	19.1	25.1	26.8	30.6	33.0	27.2	23.7	22.1	22.2	20.8	20.0	19.5	19.3	19.3	19.4	20.0	19.2	21.0
19	19.2	18.0	16.1	15.1	14.5	12.6	11.6	11.6	13.2	15.2	20.7	24.9	27.0	27.4	19.6	15.5	7.3	8.3	7.8	6.2	3.3	-3	-2.0	2.0	13.1
20	7.2	8.8	9.4	10.7	11.1	12.7	10.8	12.6	17.2	23.9	30.0	35.5	35.9	26.9	28.0	26.1	22.8	27.8	30.7	35.1	37.4	36.5	38.3	34.3	23.7
21	38.0	38.2	36.9	37.2	34.4	32.5	31.3	22.3	23.4	26.7	32.0	33.0	38.6	40.7	40.0	30.8	26.7	24.3	24.6	22.9	21.0	19.2	21.9	20.1	29.9
22	19.6	18.1	19.5	20.9	19.7	22.1	26.1	27.5	32.5	35.7	39.3	40.5	42.1	42.1	41.3	37.3	36.8	36.7	36.7	35.2	35.4	35.3	35.7	30.3	31.9
23	32.2	34.8	33.9	29.7	26.6	22.4	20.9	19.9	26.0	29.3	26.0	21.6	23.3	23.5	22.0	20.8	19.0	14.4	12.0	10.3	10.7	14.1	15.4	13.4	21.8
24	12.3	14.0	16.4	18.0	24.6	29.2	30.4	29.7	33.4	36.8	40.8	47.2	47.5	50.8	51.7	52.8	51.5	49.3	49.4	42.3	42.0	36.4	32.1	30.3	36.2
25	29.5	27.8	26.2	25.8	21.4	17.3	20.0	22.4	26.0	30.3	34.2	30.0	24.0	25.3	28.7	31.0	35.0	38.0	34.3	31.4	31.5	26.1	26.2	26.6	27.9
26	21.7	27.2	29.9	29.0	29.8	29.0	28.9	29.0	31.0	36.6	39.9	43.1	46.6	51.1	52.1	49.4	45.5	38.2	37.5	36.2	34.1	33.8	33.5	33.7	36.1
27	31.1	34.1	32.8	32.8	33.4	31.0	31.2	29.9	31.9	35.6	41.5	45.6	49.3	48.7	39.3	29.9	27.5	25.5	25.6	29.3	29.3	29.8	29.6	29.2	33.5
28	28.8	28.6	28.2	28.7	28.7	28.7	27.5	28.6	28.4	29.0	27.3	28.1	27.9	26.5	23.9	20.6	18.8	18.5	17.9	17.0	14.5	14.8	14.5	12.4	23.7
29	10.9	13.5	19.3	23.9	30.9	36.1	35.5	39.9	42.2	46.8	47.4	45.6	32.1	34.8	45.2	41.2	32.5	27.7	25.6	27.2	33.5	45.0	42.8	45.6	34.4
30	44.6	43.0	43.0	41.4	40.1	40.9	36.4	37.6	41.3	45.1	44.3	23.5	26.6	28.4	29.8	32.7	31.1	29.8	18.4	17.7	16.9	15.8	15.0	15.0	31.6
31	14.0	12.6	12.7	13.2	14.1	15.3	16.4	16.8	17.6	21.3	26.1	29.5	31.9	33.0	33.4	33.9	33.1	26.8	19.7	19.8	21.2	22.2	22.1	21.5	22.0
HOURLY MEAN	23.5	23.1	22.8	22.7	23.0	22.5	22.5	23.4	25.8	28.5	30.6	30.9	31.2	31.8	31.2	29.7	27.4	26.1	24.9	24.5	24.1	24.0	23.7	23.5	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
MAX	42.1	28.3	32.0	22.5	17.4	32.5	31.8	37.0	50.2	42.6	51.9	27.4	21.4	30.5	35.9	26.4	28.4	33.0	27.4	38.3	40.7	42.1	34.8	52.8	38.0		
MIN	20.2	18.9	15.7	8.6	6.1	3.2	13.9	22.9	30.3	27.1	32.0	20.6	17.7	9.3	22.2	13.1	6.3	12.0	-2.0	7.2	19.2	18.1	10.3	12.3	17.3		
-----																											
DAY							26	27	28	29	30	31															
MAX							52.1	49.3	29.0	47.4	45.1	33.9															
MIN							21.7	25.5	12.4	10.9	15.0	12.6															

MONTHLY AVERAGE = 25.9    MONTHLY MAXIMUM = 52.8    MONTHLY MINIMUM = -2.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :12/ 1/1992 TO :12/31/1992

BAROMETRIC PRESSURE (INCHES)  
DECEMBER - 1992

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8
2	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.7
3	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.7
4	24.9	24.9	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
5	25.0	24.9	24.9	24.9	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.5	24.5	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.4	24.7
6	24.4	24.4	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6
7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
8	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.6
9	24.6	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.8	24.6
10	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.8
11	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6
12	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.5
13	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.9	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8
14	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6
15	24.5	24.5	24.5	24.5	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.5	24.5	24.5	24.5	24.5	24.5	24.4
16	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
17	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.4	24.4	24.5
18	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.4
19	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7
20	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7
21	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7
22	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.7
23	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.1	25.1	25.1	25.0	25.0	25.0	25.0
24	25.0	25.0	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.8	24.8	24.9	24.8
25	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9
26	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7
27	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.8	24.7	24.7	24.7	24.7
28	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7
29	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
30	24.6	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.7
31	24.9	24.9	24.9	24.9	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
HOURLY MEAN	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
MAX	24.9	24.9	24.9	25.0	25.0	24.7	24.8	24.7	24.8	24.8	24.7	24.6	24.9	24.8	24.6	24.7	24.7	24.6	24.8	24.8	24.7	24.8	25.1	25.0	24.9		
MIN	24.7	24.5	24.5	24.9	24.4	24.4	24.7	24.5	24.5	24.7	24.5	24.5	24.7	24.5	24.4	24.6	24.4	24.4	24.6	24.6	24.6	24.6	24.8	24.6	24.8		
<hr/>																											
											DAY	26	27	28	29	30	31										
											MAX	24.8	24.8	24.7	24.6	24.8	25.0										
											MIN	24.6	24.6	24.6	24.6	24.5	24.9										

MONTHLY AVERAGE = 24.7    MONTHLY MAXIMUM = 25.1    MONTHLY MINIMUM = 24.4  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE



ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :12/ 1/1992 TO :12/31/1992

PRECIPITATION (.01 INCHES)  
DECEMBER - 1992

DAY	HOUR																								DAILY
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOTAL
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	1	0	0	0	0	0	0	6
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MONTHLY TOTAL (INCHES)= .09    MONTHLY MAXIMUM (INCHES)= .03  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 1 FROM :12/ 1/1992 TO :12/31/1992

RELATIVE HUMIDITY (PERCENT)  
DECEMBER - 1992

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	23.2	21.3	20.8	22.5	22.7	23.9	24.8	26.6	27.5	25.7	26.7	24.9	24.4	25.5	59.5	73.2	70.5	70.6	69.5	71.3	72.3	65.8	63.6	73.9	43.0
2	71.4	69.7	70.1	60.2	75.9	87.5	92.4	84.9	75.0	60.3	48.0	48.2	48.6	53.9	59.5	67.9	72.3	79.5	80.3	76.9	78.3	80.7	86.4	87.4	71.5
3	84.6	85.4	86.0	73.8	64.4	77.7	94.9	98.9	99.0	98.3	97.0	94.7	92.6	92.8	94.1	95.9	97.6	98.3	97.7	97.3	98.6	99.5	100.2	100.3	92.5
4	100.2	100.0	99.8	99.6	99.5	99.2	99.1	99.0	99.0	98.6	96.2	84.5	68.3	59.5	57.9	55.3	52.8	52.9	51.9	58.2	60.3	60.0	61.1	63.8	78.2
5	69.7	73.9	77.4	93.7	97.9	98.7	98.2	97.8	97.7	96.1	96.0	96.5	97.2	97.4	98.4	99.5	100.4	100.6	100.6	100.6	100.3	99.9	98.7	97.8	95.2
6	97.3	97.9	98.3	98.3	98.2	97.5	97.1	98.6	70.4	48.3	69.2	82.7	86.6	79.4	72.3	64.8	70.5	74.2	73.6	71.6	71.5	82.0	76.8	70.1	81.1
7	72.3	73.8	74.6	72.6	72.0	73.9	65.2	58.3	53.8	52.6	47.1	49.5	49.4	47.8	43.9	43.9	48.8	52.5	51.8	51.0	44.9	50.9	59.4	59.4	57.1
8	67.4	74.8	77.4	73.2	67.4	69.8	67.6	53.2	48.9	47.5	43.7	40.3	48.6	45.7	36.9	33.1	25.5	38.9	50.9	48.5	46.5	46.5	46.2	46.9	51.9
9	43.0	44.9	43.4	43.4	37.6	30.8	31.3	31.0	34.1	32.5	35.3	37.4	35.2	28.4	31.0	30.8	35.6	41.1	41.8	45.8	63.4	66.4	62.6	60.0	41.1
10	61.5	62.5	64.3	63.2	61.0	64.1	65.8	63.7	55.8	53.9	53.9	50.7	50.7	49.3	62.8	79.3	89.2	89.0	84.5	82.4	87.2	81.3	73.6	57.7	67.0
11	54.2	48.1	46.6	45.4	43.3	42.2	41.5	42.5	43.4	41.3	39.6	39.7	41.5	39.5	40.9	29.3	46.7	60.2	65.8	68.8	68.2	72.0	77.4	83.9	50.9
12	95.5	97.8	99.6	100.2	99.9	99.9	99.9	99.2	97.9	95.5	94.0	92.9	92.5	90.4	89.3	90.7	95.3	99.1	100.5	100.9	101.0	101.1	101.2	101.2	97.3
13	100.7	99.3	91.3	81.9	78.8	80.1	80.2	85.2	98.6	100.1	99.7	97.5	97.8	97.5	96.2	95.5	96.9	100.3	100.6	100.5	100.6	100.6	100.7	100.7	95.0
14	100.7	100.4	100.3	99.9	99.4	99.0	98.6	96.7	91.9	83.4	68.9	56.5	51.9	49.4	48.0	53.4	65.0	77.8	86.8	81.7	84.7	84.8	78.3	78.1	80.7
15	78.9	77.2	80.0	81.5	78.0	73.6	72.8	72.1	69.0	67.6	65.8	67.2	72.4	70.1	71.3	71.4	72.2	84.8	95.1	99.0	100.8	97.7	93.9	88.1	79.2
16	89.9	94.0	94.2	98.9	100.6	100.8	100.8	100.9	100.5	99.6	97.7	94.9	91.7	87.0	87.0	87.6	89.8	92.7	94.6	96.7	98.3	98.7	99.4	99.5	95.7
17	100.1	100.2	99.4	97.4	97.3	92.9	86.4	88.4	91.1	88.5	77.6	74.7	67.5	58.7	51.8	54.0	60.4	61.0	59.1	64.6	64.0	62.9	65.1	55.1	75.8
18	69.8	91.5	98.1	95.3	87.2	82.3	75.3	69.1	56.8	56.6	51.7	51.9	63.2	71.8	71.8	73.4	78.1	85.8	92.4	100.3	100.5	100.8	100.7	80.2	
19	100.5	100.2	100.1	99.9	99.5	99.3	97.8	93.1	90.1	84.5	73.2	56.9	51.4	53.5	76.5	90.3	96.1	98.1	98.3	98.2	97.7	96.7	96.1	96.1	89.3
20	97.0	98.1	98.2	97.7	98.3	97.6	87.8	71.1	59.0	54.1	41.8	30.3	41.1	52.7	52.4	54.1	59.0	49.2	46.4	36.5	31.0	31.9	27.9	26.7	60.0
21	26.2	24.6	25.1	23.2	24.1	25.4	24.7	28.5	32.7	39.9	34.5	35.3	32.4	33.5	35.6	49.5	56.2	59.8	59.8	65.1	70.2	71.4	67.8	71.3	42.4
22	69.7	72.9	69.4	61.9	58.4	52.6	49.4	47.8	33.0	25.2	21.1	19.8	19.7	19.8	19.9	27.0	24.9	23.3	24.0	24.3	24.5	24.0	24.6	31.5	36.2
23	31.9	28.7	26.9	31.2	36.9	48.0	48.2	51.9	48.3	45.9	47.9	65.7	68.3	69.1	71.0	73.2	77.5	90.2	96.9	99.4	100.0	100.3	99.6	98.2	64.8
24	99.5	100.2	99.8	99.1	82.5	43.5	40.9	38.2	34.8	32.4	28.8	24.8	23.4	22.7	21.2	16.9	17.2	17.8	17.6	20.3	21.2	33.0	43.7	50.0	42.9
25	61.0	71.5	84.0	91.5	89.8	94.4	93.7	83.7	65.2	53.1	45.3	60.9	88.1	91.1	79.7	68.9	65.2	29.6	40.0	43.6	39.3	47.9	52.1	52.7	66.3
26	74.4	48.7	39.3	37.7	38.2	35.9	33.7	31.2	27.3	24.3	23.4	20.5	18.8	17.3	16.7	17.3	18.7	22.2	22.2	24.8	28.8	26.8	28.6	26.3	29.3
27	26.3	23.1	23.7	23.2	22.8	22.8	23.2	22.7	22.8	23.4	21.4	19.5	18.7	18.1	43.2	62.8	61.3	58.7	52.6	47.3	49.0	52.8	60.6	57.6	35.7
28	61.0	62.0	53.3	52.8	49.8	51.9	50.3	47.6	56.0	54.5	49.3	50.1	54.3	58.7	71.9	92.5	99.2	100.3	100.5	100.9	100.8	100.2	99.9	71.6	
29	99.7	99.6	100.2	100.0	98.4	95.1	96.4	94.9	83.6	61.3	71.4	63.0	82.9	86.1	87.7	86.6	92.7	95.4	98.7	99.4	96.2	53.3	47.8	44.5	84.8
30	45.5	46.8	47.7	53.0	61.3	56.5	73.2	61.0	50.6	45.5	44.5	88.7	94.5	90.8	89.8	77.6	79.8	86.1	98.9	100.6	100.5	100.3	100.1	74.7	
31	100.0	99.8	99.7	99.7	99.7	99.8	100.1	100.2	100.3	98.4	76.3	68.9	70.1	67.8	66.3	65.9	78.2	95.4	97.1	96.9	96.5	97.0	98.6	90.5	
HOURLY MEAN	73.3	73.8	73.8	73.3	72.3	71.5	71.3	69.0	65.0	61.0	58.4	58.0	59.4	59.0	61.5	63.9	67.1	69.9	72.5	73.3	74.1	73.8	73.9	73.5	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25				
MAX	73.9	92.4	100.3	100.2	100.6	98.6	74.6	77.4	66.4	89.2	83.9	101.2	100.7	100.7	100.8	100.9	100.2	100.8	100.5	98.3	71.4	72.9	100.3	100.2	94.4				
MIN	20.8	48.0	64.4	51.9	69.7	48.3	43.9	25.5	28.4	49.3	29.3	89.3	78.8	48.0	65.8	87.0	51.8	51.7	51.4	26.7	23.2	19.7	26.9	16.9	29.6				
-----																													
											DAY	26	27	28	29	30	31												
											MAX	74.4	62.8	100.9	100.2	100.6	100.3												
											MIN	16.7	18.1	47.6	44.5	44.5	65.9												

MONTHLY AVERAGE = 68.4    MONTHLY MAXIMUM = 101.2    MONTHLY MINIMUM = 16.7  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 1 FROM :12/ 1/1992 TO :12/31/1992

MAXIMUM WIND SPEED (MPH)  
DECEMBER - 1992

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	36.7	33.0	32.0	26.2	22.9	17.1	19.0	16.9	8.9	11.6	18.6	23.9	23.0	22.3	18.2	17.0	12.4	19.1	19.5	18.9	14.4	16.9	14.1	12.5	19.8
2	12.6	12.4	17.0	21.7	10.7	7.9	8.3	10.1	9.5	7.8	9.0	11.3	10.2	8.0	9.2	10.5	5.9	7.6	10.4	9.9	7.3	7.0	9.8	13.6	10.3
3	13.8	11.6	16.0	18.3	9.6	15.4	16.1	14.8	5.4	7.2	13.6	16.3	17.0	11.2	12.8	10.4	10.9	8.5	11.2	11.2	10.2	6.8	10.6	9.3	12.0
4	9.0	9.1	7.2	4.3	5.0	5.1	6.2	6.7	6.5	5.8	9.0	9.9	8.9	6.2	7.4	8.4	13.1	13.4	12.4	14.6	11.8	10.8	10.6	10.8	8.8
5	6.9	4.9	7.4	6.7	9.2	6.2	5.9	5.5	8.4	10.2	10.2	13.4	17.5	18.4	12.4	10.1	11.4	10.3	7.2	9.9	10.8	19.5	17.0	19.5	10.8
6	14.9	10.0	12.1	9.3	3.8	2.9	7.2	8.2	11.4	11.0	9.9	12.0	13.1	7.4	5.1	3.9	7.1	6.8	5.0	5.9	7.0	10.4	11.4	10.0	8.6
7	12.5	13.3	13.0	14.6	8.8	4.6	16.0	13.0	6.9	5.8	5.1	8.8	6.7	8.5	5.2	4.4	8.3	7.8	6.9	5.4	7.1	7.3	10.8	5.2	8.6
8	5.6	6.9	4.4	6.9	6.0	8.5	11.7	13.1	11.5	10.9	11.0	5.7	12.3	6.7	6.0	9.7	9.8	9.6	11.1	14.7	14.0	16.9	17.9	15.7	10.3
9	17.4	17.4	16.3	14.8	16.3	12.4	15.4	18.3	18.1	21.8	16.0	21.2	19.1	29.9	24.0	30.8	27.0	22.9	24.6	22.4	11.8	13.9	16.4	16.6	19.4
10	18.0	21.0	16.2	19.3	21.2	14.8	12.4	21.2	22.9	18.0	13.2	8.0	9.9	10.0	14.0	12.5	8.9	7.9	10.3	12.5	12.4	16.1	15.3	17.7	14.7
11	19.3	14.6	14.8	15.3	14.0	16.7	17.7	14.0	11.4	9.8	8.7	9.5	8.4	7.6	12.2	8.4	7.4	7.9	10.5	12.6	8.4	5.4	7.5	9.2	11.3
12	10.4	9.5	6.0	5.9	7.8	9.0	7.3	8.4	6.2	10.8	11.4	10.6	9.9	12.0	12.6	11.7	14.7	16.4	15.9	18.2	11.2	6.7	6.3	12.6	10.5
13	16.7	20.8	20.9	25.4	29.2	18.8	15.4	16.8	12.1	15.2	28.7	28.1	24.6	20.3	14.3	15.0	11.4	16.4	17.3	15.1	8.8	4.2	5.3	5.3	16.9
14	5.0	6.8	12.5	11.7	12.5	12.2	11.1	12.0	13.1	14.3	12.6	12.9	8.7	9.5	6.2	6.7	8.6	8.4	10.2	8.6	11.8	12.4	12.6	12.0	10.5
15	10.1	7.0	7.7	9.4	13.6	14.0	12.5	11.9	13.5	13.1	9.9	11.3	10.5	9.9	6.6	11.4	14.4	17.1	19.0	14.4	7.3	10.5	9.9	16.8	11.8
16	18.1	20.7	17.1	13.1	8.6	7.0	6.8	4.0	2.6	3.6	4.0	9.3	9.3	9.3	9.1	10.3	8.5	9.1	8.1	4.6	4.1	4.8	4.0	6.7	8.5
17	9.1	8.2	10.4	8.9	10.8	11.2	11.3	7.5	9.8	9.7	10.8	10.6	7.0	6.0	4.9	4.7	7.1	6.7	9.3	9.6	11.7	13.0	8.4	8.7	9.0
18	11.4	7.4	4.7	8.2	11.9	10.9	11.5	14.9	11.4	16.8	7.8	13.2	13.9	12.9	11.6	10.7	11.4	11.5	9.7	8.4	5.3	6.2	8.2	9.1	10.4
19	8.9	11.4	11.4	10.8	12.6	15.4	11.5	13.0	13.0	14.7	10.1	10.0	7.8	8.5	9.6	11.1	12.9	9.4	5.0	3.3	2.8	3.8	3.0	5.4	9.4
20	4.6	6.2	5.6	3.6	4.3	8.6	11.5	14.3	12.5	11.5	9.1	7.1	11.4	13.2	9.6	10.1	9.9	13.5	10.3	7.4	15.3	12.4	16.5	17.5	10.3
21	31.6	30.5	31.0	25.6	14.7	13.3	12.6	22.4	20.6	13.1	13.2	12.9	10.1	12.4	10.8	9.7	7.8	7.9	8.2	5.9	6.4	12.3	12.5	15.7	15.0
22	18.5	17.7	15.8	16.4	13.7	16.5	14.3	18.0	18.1	17.8	11.9	18.2	33.9	34.1	32.8	33.0	24.0	30.9	32.2	25.8	34.7	31.4	36.1	21.9	23.7
23	34.0	37.6	16.7	13.7	16.7	16.3	17.1	14.8	17.0	17.2	24.9	21.9	19.3	11.4	9.9	7.1	7.1	10.5	6.2	4.8	6.0	7.9	9.2	9.0	14.8
24	4.7	6.8	5.7	8.0	14.0	17.5	20.2	27.3	26.2	20.0	22.0	12.2	9.9	9.1	8.9	32.7	37.8	39.2	35.0	31.7	36.0	26.5	20.9	26.2	20.8
25	24.1	16.6	9.7	12.7	16.1	16.1	14.4	13.4	13.5	19.3	17.9	12.7	11.6	10.9	6.2	9.7	7.2	13.2	10.1	9.1	9.1	9.6	7.5	10.3	12.5
26	7.8	12.9	13.1	14.9	14.2	17.9	17.5	19.1	23.8	20.3	12.3	12.3	13.8	14.5	9.1	9.8	13.3	16.7	17.5	16.3	13.4	12.8	14.1	17.1	14.8
27	14.8	17.4	16.3	17.2	15.9	12.9	16.9	13.2	15.9	15.1	17.4	12.7	12.1	7.9	16.9	12.3	9.3	8.7	10.6	8.7	10.9	8.9	5.5	8.2	12.7
28	6.7	4.7	6.5	7.5	6.1	10.3	8.1	7.3	5.7	5.1	9.6	8.7	11.1	11.6	14.1	11.9	8.9	6.8	5.5	7.1	8.0	8.2	5.6	8.3	8.0
29	3.0	7.0	9.1	11.3	4.7	7.3	8.8	9.6	9.9	12.1	7.0	9.9	10.7	12.1	10.1	14.8	9.3	12.9	5.8	10.3	6.5	19.6	16.8	14.5	10.1
30	12.9	13.2	10.9	8.2	8.8	11.5	12.9	7.7	10.8	14.2	29.9	31.9	22.0	11.9	13.9	7.1	9.2	9.4	14.3	9.1	6.9	7.4	5.9	6.0	12.3
31	8.1	7.3	3.7	7.6	6.0	5.8	7.5	6.9	7.1	7.1	13.9	26.7	29.9	24.0	23.8	16.8	11.5	11.2	10.9	6.4	6.6	6.5	7.7	5.8	11.2
HOURLY MEAN	13.8	13.7	12.6	12.8	11.9	11.7	12.4	13.0	12.4	12.6	13.2	14.0	14.0	12.8	11.8	12.3	11.8	12.8	12.6	11.7	10.9	11.5	11.5	12.2	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	36.7	21.7	18.3	14.6	19.5	14.9	16.0	17.9	30.8	22.9	19.3	18.2	29.2	14.3	19.0	20.7	13.0	16.8	15.4	17.5	31.6	36.1	37.6	39.2	24.1
MIN	8.9	5.9	5.4	4.3	4.9	2.9	4.4	4.4	11.8	7.9	5.4	5.9	4.2	5.0	6.6	2.6	4.7	4.7	2.8	3.6	5.9	11.9	4.8	4.7	6.2
DAY	26	27	28	29	30	31																			
MAX	23.8	17.4	14.1	19.6	31.9	29.9																			
MIN	7.8	5.5	4.7	3.0	5.9	3.7																			

MONTHLY AVERAGE = 12.5    MONTHLY MAXIMUM = 39.2    MONTHLY MINIMUM = 2.6  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 1 FROM :12/ 1/1992 TO :12/31/1992

10M-2M TEMPERATURE DIFFERENCE  
DECEMBER - 1992

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	1.8	2.2	1.9	1.9	2.4	4.1	2.9	2.0	1.0	.2	.3	.5	.4	.3	.4	.5	.9	1.0	.9	1.4	1.8	2.7	3.7	3.2	1.6
2	2.7	3.1	1.1	.5	1.5	3.2	4.8	4.7	.6	-.1	-.1	-.5	-.7	-.5	-.6	.0	1.1	3.4	4.5	4.5	5.6	4.4	6.0	6.6	2.3
3	5.7	4.8	5.4	5.2	7.2	2.9	.8	1.1	.2	-.0	-.1	-.1	-.1	-.3	-.0	.0	.1	.2	.2	.1	.1	.1	.1	.1	1.4
4	.1	.2	1.3	1.5	.8	1.6	5.1	5.4	3.6	2.2	.1	-.3	-.1	.1	.7	1.5	4.7	4.8	6.7	4.6	5.1	6.6	7.4	5.8	2.9
5	4.2	1.5	1.5	1.1	.1	.3	.4	.1	-.1	-.3	-.5	-.4	-.2	-.2	-.0	.0	.1	.3	.7	2.0	2.2	1.7	2.8	2.6	.8
6	2.6	2.6	1.2	.3	.4	.2	2.0	8.4	9.1	3.4	-.3	-.2	-.2	-.1	.8	1.7	5.9	6.9	13.3	15.0	10.9	10.6	7.8	8.9	4.6
7	6.7	7.6	6.1	4.9	6.3	4.0	9.1	7.3	4.7	2.5	.8	.3	.7	.7	.4	1.0	2.9	5.8	7.3	8.2	11.6	8.5	10.4	7.3	5.2
8	9.0	5.7	6.4	5.2	3.4	6.4	6.4	6.9	4.8	3.1	1.7	.9	.2	.4	.5	1.9	5.7	7.9	8.4	6.7	6.5	4.3	3.4	4.7	4.6
9	6.0	4.5	4.4	4.8	5.2	6.6	7.9	4.2	2.8	1.7	1.5	1.9	1.1	1.3	1.4	1.9	2.1	2.1	1.8	1.9	1.9	1.5	2.1	1.3	3.0
10	1.7	1.6	1.4	1.8	1.5	1.9	2.9	1.3	.7	.3	-.1	-.1	.1	.7	.0	.0	.7	2.8	4.6	3.8	4.9	4.1	3.2	3.5	1.8
11	4.7	4.0	6.3	8.5	7.2	5.3	4.5	4.5	2.8	1.5	1.5	1.8	1.4	2.8	3.9	5.5	2.6	5.0	6.0	7.4	5.2	6.7	4.6	2.5	4.4
12	3.0	3.0	2.4	1.1	.4	.1	.2	.2	.0	-.1	-.3	-.4	-.1	-.1	.0	.1	.1	.1	.1	.1	.2	.9	.8	.4	.5
13	.3	.3	.3	.3	.3	.3	.4	.2	-.0	-.1	-.2	-.1	-.3	-.4	-.1	-.0	.2	.3	.3	.3	.8	1.4	1.9	3.1	.4
14	3.6	4.8	4.8	2.9	3.2	2.4	3.1	2.3	1.5	1.4	.7	-.1	.0	.8	1.0	1.1	2.1	3.6	7.3	9.6	4.8	2.6	.8	.5	2.7
15	.5	.7	.6	1.4	3.1	1.2	1.0	1.1	.5	.2	.2	.0	-.1	.1	.2	.4	.4	.2	.2	.2	.2	.4	.6	.4	.6
16	.3	.2	.2	.3	.4	.2	.3	.6	-.1	-.2	.0	.2	.2	.2	.4	.4	2.0	4.3	2.4	3.1	3.8	7.8	9.5	10.8	2.0
17	10.1	10.2	7.0	7.5	7.8	7.8	5.3	4.3	3.4	1.4	.6	.0	-.1	.3	.5	.7	4.3	7.5	9.1	5.5	6.2	7.0	6.0	6.8	5.0
18	3.7	1.3	4.0	6.4	6.0	4.9	4.4	4.0	3.8	1.4	.6	.4	-.2	-.3	-.2	.0	.3	.7	1.1	.6	.2	.1	.4	1.7	1.9
19	1.6	3.9	4.2	4.8	3.3	4.3	4.3	3.3	1.4	.5	.2	-.1	.3	.5	.2	.6	.1	.1	.1	.0	.1	.2	.4	.8	1.5
20	6.7	6.0	5.7	6.1	4.3	8.4	8.2	6.3	5.1	3.4	1.4	.7	.9	.3	.6	1.1	4.3	9.2	9.4	9.1	8.7	5.0	5.5	6.1	5.1
21	4.0	2.1	2.4	2.9	3.9	6.7	8.5	4.8	2.9	.7	.6	1.1	.7	.3	.5	.9	1.6	6.0	4.6	3.0	2.7	8.0	10.2	6.0	3.5
22	3.7	2.9	3.2	3.6	7.3	6.3	8.0	5.2	2.2	1.7	.1	.5	.9	.8	1.1	1.4	1.8	2.3	1.8	2.7	1.8	1.6	1.8	3.5	2.8
23	3.2	2.3	3.2	3.8	5.0	3.6	2.9	1.7	1.1	.9	.3	.2	.1	-.0	-.4	-.1	1.9	2.9	1.8	2.4	4.5	6.3	6.2	6.2	2.5
24	6.1	8.3	8.1	9.4	10.8	7.7	4.1	3.8	1.7	.9	.9	.4	2.0	1.9	2.0	1.9	2.7	2.0	2.1	1.9	1.5	1.5	1.5	1.1	3.5
25	.8	1.1	3.8	5.5	4.4	2.2	2.3	1.9	1.2	.5	.1	-.5	-.3	-.5	.3	.5	4.3	5.5	5.6	7.0	10.7	7.2	6.6	5.5	3.2
26	5.0	10.6	5.9	4.7	6.0	4.8	8.7	4.5	3.7	2.1	.7	.6	1.1	1.2	1.2	4.8	7.1	8.8	11.5	8.5	4.1	4.2	3.2	4.4	4.9
27	6.6	5.4	6.6	5.2	5.6	8.7	6.8	7.8	4.8	1.1	.7	.7	1.1	1.2	.5	.1	2.0	2.0	5.7	8.8	9.5	5.8	7.0	9.6	4.7
28	5.4	7.8	6.2	6.1	7.2	5.8	4.9	2.9	1.5	.4	-.3	-.7	-.7	-.6	-.1	-.1	.0	.0	.3	1.3	.1	.9	1.7	.2	2.1
29	.4	1.3	2.5	3.5	7.4	6.5	2.7	4.8	11.2	8.7	3.2	3.9	.0	.0	1.2	1.3	.7	.5	2.0	2.6	6.3	7.0	6.7	5.2	3.7
30	4.8	4.5	6.3	6.1	6.8	7.3	4.9	11.0	7.2	2.1	.8	-.2	.0	-.1	-.0	-.1	2.2	3.0	.1	.1	.0	.0	.0	.0	2.8
31	-.0	.0	.0	-.0	1.6	2.9	2.1	3.5	1.2	-.1	-.0	.3	.2	.3	.3	.9	2.5	2.0	.8	1.8	3.3	4.0	5.7	7.8	1.7
HOURLY MEAN	3.7	3.7	3.7	3.8	4.2	4.2	4.2	3.9	2.7	1.3	.5	.3	.3	.4	.5	1.0	2.2	3.3	3.9	4.0	4.0	4.0	4.1	4.1	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	4.1	6.6	7.2	7.4	4.2	15.0	11.6	9.0	7.9	4.9	8.5	3.0	3.1	9.6	3.1	10.8	10.2	6.4	4.8	9.4	10.2	8.0	6.3	10.8	10.7
MIN	.2	-.7	-.3	-.3	-.5	-.3	.3	.2	1.1	-.1	1.4	-.4	-.4	-.1	-.1	-.2	-.1	-.3	-.1	.3	.3	.1	-.4	.4	-.5
DAY	26	27	28	29	30	31																			
MAX	11.5	9.6	7.8	11.2	11.0	7.8																			
MIN	.6	.1	-.7	.0	-.2	-.1																			

MONTHLY AVERAGE = 2.8    MONTHLY MAXIMUM = 15.0    MONTHLY MINIMUM = -.7  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAGMMP  
SITE 3 FROM :12/ 1/1992 TO :12/31/1992

SOLAR RADIATION (LANGLEYS/HR)  
DECEMBER - 1992

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	.0	.0	.0	.0	.0	.0	.0	.1	.3	.5	.6	.7	.7	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2
2	.0	.0	.0	.0	.0	.0	.0	.1	.3	.4	.6	.7	.6	.5	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
3	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1
4	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.5	.8	.9	.7	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
5	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1
6	.0	.0	.0	.0	.0	.0	.0	.1	.3	.6	.8	.8	.8	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0	.1	.3	.5	.7	.8	.7	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
8	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.4	.4	.4	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1
9	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.4	.6	.7	.5	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1
10	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	.6	.7	.6	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1
11	.0	.0	.0	.0	.0	.0	.0	.1	.2	.4	.6	.6	.6	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
13	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.3	.4	.5	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1
14	.0	.0	.0	.0	.0	.0	.0	.0	.3	.5	.7	.7	.7	.5	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
15	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.3	.3	.4	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1
16	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.5	.5	.5	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1
17	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4	.6	.6	.8	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
18	.0	.0	.0	.0	.0	.0	.0	.1	.4	.6	.6	.7	.7	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2
19	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.3	.3	.5	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1
20	.0	.0	.0	.0	.0	.0	.0	.1	.3	.4	.7	.7	.7	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
21	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	.6	.6	.6	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1
22	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	.6	.6	.7	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
23	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.6	.6	.7	.5	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1
24	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	.6	.7	.6	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
25	.0	.0	.0	.0	.0	.0	.0	.1	.3	.4	.6	.6	.7	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
26	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	.6	.7	.7	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
27	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	.6	.7	.7	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
28	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.4	.6	.6	.5	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1
29	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.5	.4	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1
30	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	.6	.6	.7	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
31	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	.7	.9	.8	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2
HOURLY MEAN	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	.5	.6	.6	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	.7	.7	.2	.9	.2	.8	.8	.4	.7	.7	.6	.2	.5	.7	.4	.5	.8	.7	.6	.7	.6	.7	.7	.7	.7
MIN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

  

DAY	26	27	28	29	30	31
MAX	.7	.7	.6	.5	.7	.9
MIN	.0	.0	.0	.0	.0	.0

MONTHLY AVERAGE = .1    MONTHLY MAXIMUM = .9    MONTHLY MINIMUM = .0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :12/ 1/1992 TO :12/31/1992

CARBON MONOXIDE (PPM)  
DECEMBER - 1992

HOURLY																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	.1	.1	.1	.1	.1	.1	.3	.3	.2	.3	.1	.1	.1	.1	.1	.1	.2	.1	.1	.2	.3	.3	.3	.3	.2
2	.1	.2	.2	.2	.2	.9	1.1	1.2	1.9	1.7	1.0	.7	.4	.2	.3	.3	.4	.5	.4	1.6	1.9	1.3	.9	1.0	.8
3	2.3	2.8	1.8	1.4	1.4	1.0	.3	.3	.2	.3	.2	.1	.2	.2	.2	.2	.2	.2	.2	.1	.2	.2	.2	.2	.6
4	.1	.1	.2	.2	.2	.1	.3	.7	2.6	2.1	.6	.7	.8	.7	.5	.4	.5	.7	.9	.9	1.0	.8	.7	.9	.7
5	.9	.9	.6	1.4	1.5	1.4	1.4	1.2	1.3	1.3	1.5	1.2	1.0	.7	.6	.8	.9	.6	.5	.6	.9	1.4	.9	.9	1.0
6	1.0	1.0	.8	.6	.6	.6	.6	.6	.6	.5	.8	.7	.7	.6	.6	.6	.5	.6	1.0	1.4	2.3	3.0	2.3	2.2	1.0
7	1.7	1.4	1.0	.7	.7	.7	.9	2.1	2.8	2.6	2.0	1.2	.6	.7	.8	.6	.7	1.1	1.2	1.2	1.9	4.5	3.7	3.5	1.6
8	4.7	5.0	5.3	4.0	1.7	2.5	4.0	3.9	4.7	5.3	4.4	3.7	3.6	.7	.6	.8	1.6	3.3	6.7	5.7	3.4	1.9	.8	.6	3.3
9	.5	.5	.3	.3	.4	.3	.4	.7	.5	.9	1.1	.4	.4	.3	.3	CAL	CAL	.4	.3	.3	.3	.3	.2	.2	.4
10	.2	.3	.3	.3	.3	.3	.4	.3	.3	.3	1.0	1.1	1.6	2.1	.6	.5	.5	.4	.5	1.3	2.5	2.6	2.0	1.4	.9
11	.8	.4	.4	.4	.3	.3	.4	1.3	1.2	1.3	1.0	.7	.6	.5	.6	.7	1.0	1.2	.9	1.5	1.8	2.4	2.9	2.0	1.0
12	1.7	1.1	.7	.6	.4	.4	.4	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.4	.4	.3	.4	.4	.4
13	.3	.3	.3	.3	.4	.4	.4	.3	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.3	.3	.4	.6	.4
14	.4	.6	1.0	1.1	.9	.9	1.1	1.4	1.7	1.5	1.1	.9	.8	.7	.5	.5	.6	.6	1.3	1.6	4.1	4.0	1.9	1.4	1.3
15	1.2	1.0	1.4	1.1	.8	.7	.8	1.1	1.5	2.0	2.1	1.0	.9	.7	.8	.7	.5	.5	.3	.3	.3	.3	.3	.3	.9
16	.3	.3	.4	.4	.4	.4	.4	.5	.5	.4	.4	.3	.3	.3	.3	.3	.4	.5	.4	.5	.5	.7	1.6	2.8	.6
17	3.6	3.2	1.4	.8	.7	.7	1.0	1.3	2.1	3.5	4.1	3.1	2.9	2.2	1.8	1.9	1.7	1.6	2.3	6.5	5.1	4.3	3.3	1.9	2.5
18	4.3	4.4	2.2	2.9	2.5	1.9	1.1	1.2	.9	1.9	.7	.6	1.2	1.3	1.3	1.2	1.3	1.1	1.0	.7	.5	.5	.6	1.1	1.5
19	1.2	1.1	1.2	1.2	1.2	1.3	1.1	1.1	1.1	1.2	1.4	1.1	.9	.6	1.0	1.2	1.1	1.0	.9	.9	.9	1.1	1.3	1.5	1.1
20	3.7	3.3	1.3	1.3	2.6	1.5	1.6	1.4	1.1	.9	.8	.8	1.0	1.8	2.1	1.8	1.9	1.4	1.3	1.1	.9	.7	.4	.4	1.5
21	.4	.3	.3	.4	.4	.4	.5	.7	.7	1.8	1.3	.9	.6	.7	.7	1.1	1.0	1.0	.9	1.0	.9	1.1	1.2	2.5	.9
22	2.6	2.2	1.7	1.5	1.1	1.2	1.4	1.7	1.2	.6	.6	.6	.5	.4	.4	.4	.5	.5	.5	.7	.5	.4	.4	.5	.9
23	.4	.4	.4	.6	.6	.8	.9	1.3	1.4	1.3	.7	.4	.4	.4	CAL	.5	.6	.7	.6	.6	.6	.7	1.0	2.1	.8
24	1.3	1.7	2.5	2.9	2.6	.7	.6	1.0	1.0	.9	1.0	1.0	1.2	1.3	1.1	.6	.4	.4	.4	.4	.4	.4	.4	.5	1.0
25	.4	.4	.4	.4	.6	.5	.5	.5	.5	.5	.5	.7	.6	.6	.6	.7	.7	.7	.6	.6	1.0	1.1	1.1	1.3	.7
26	.9	1.1	.7	.5	.5	.5	.7	.8	1.0	.8	.7	.8	1.0	.8	.5	.5	.6	.6	.7	1.3	1.3	1.1	1.0	.8	.8
27	1.5	1.0	.7	.7	.5	.5	.5	.6	.7	.7	.7	.7	.6	.6	.9	1.0	1.1	1.0	1.0	1.5	2.3	2.5	2.3	2.2	1.1
28	3.6	3.2	3.2	3.4	2.8	2.5	1.7	1.0	1.9	1.5	1.1	1.1	1.3	1.0	.8	.6	.6	.5	.6	.6	.7	.6	.7	.6	1.5
29	.6	.7	1.9	1.9	1.7	1.3	1.3	1.3	1.2	.9	1.0	1.0	1.6	1.4	.8	1.0	1.2	1.2	1.3	1.3	1.3	1.1	.8	.8	1.2
30	.9	.7	.7	.6	.7	.5	.8	.8	1.1	.8	.8	.7	.6	.5	.6	.6	.6	.7	.6	.5	.5	.5	.5	.5	.7
31	.5	.5	.5	.6	.6	.7	.9	1.2	1.7	2.1	.9	.5	.5	.5	.5	.6	1.1	.9	.9	.8	.8	1.0	1.3	1.6	.9
HOURLY																									
MEAN	1.4	1.3	1.1	1.1	.9	.8	.9	1.0	1.2	1.3	1.1	.9	.9	.8	.7	.7	.8	.8	.9	1.2	1.3	1.3	1.2	1.2	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	.3	1.9	2.8	2.6	1.5	3.0	4.5	6.7	1.1	2.6	2.9	1.7	.6	4.1	2.1	2.8	6.5	4.4	1.5	3.7	2.5	2.6	2.1	2.9	1.3
MIN	.1	.1	.1	.1	.5	.5	.6	.6	.2	.2	.3	.3	.3	.4	.3	.3	.7	.5	.6	.4	.3	.4	.4	.4	.4
DAY	26	27	28	29	30	31																			
MAX	1.3	2.5	3.6	1.9	1.1	2.1																			
MIN	.5	.5	.5	.6	.5	.5																			

MONTHLY AVERAGE = 1.0    MONTHLY MAXIMUM = 6.7    MONTHLY MINIMUM = .1  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 99.6%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :12/ 1/1992 TO :12/31/1992

SULFUR DIOXIDE (PPB)  
DECEMBER - 1992

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	2	4	4	9	15	18	9	1	1	1	1	1	1	1	5	4	4	3	4	4
3	5	10	27	19	6	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
4	1	1	1	1	1	1	1	1	2	2	1	3	9	6	4	1	1	1	1	1	1	1	1	1	2
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	12	5	4	3	2
6	4	4	3	1	1	1	5	32	21	9	4	1	1	1	1	3	3	4	4	22	48	24	12	13	9
7	7	4	2	3	3	3	3	5	6	54	37	16	10	12	15	15	15	14	19	14	17	23	13	11	13
8	17	18	21	19	9	11	19	36	37	34	22	17	14	1	1	3	10	18	19	14	9	5	1	1	15
9	2	1	1	1	1	1	1	3	4	11	8	3	1	1	CAL	1	1	1	1	1	1	1	1	1	2
10	1	1	1	1	1	1	1	1	1	1	7	17	34	19	5	1	1	1	1	3	11	16	6	3	6
11	1	1	1	1	1	1	1	1	1	1	1	2	3	3	3	15	9	4	3	4	4	6	6	4	3
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	2	1	3	5	6	5	3	3	2	1	1	1	1	1	1	1	1	2	5	4	3	3	2
15	1	2	12	20	9	3	1	3	3	4	6	13	6	8	12	5	1	1	1	1	1	1	1	1	5
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	9	1
17	4	4	1	1	1	1	2	5	9	14	27	12	11	10	9	12	9	8	13	16	17	18	21	16	10
18	17	7	3	5	6	7	4	1	1	4	2	1	2	1	1	1	1	1	1	1	1	1	1	1	3
19	1	1	1	1	3	3	4	4	3	3	3	1	2	1	1	1	1	1	1	1	1	10	33	40	5
20	12	6	1	1	8	5	3	2	1	1	1	1	1	3	2	1	2	3	4	13	13	8	1	1	4
21	1	1	1	1	1	1	1	2	3	4	4	4	1	1	3	3	2	1	1	1	2	1	1	1	4
22	5	8	13	13	5	8	13	12	3	1	2	7	3	1	1	1	1	1	1	1	4	1	1	1	4
23	1	1	1	3	5	3	3	3	5	4	2	CAL	1	1	1	1	1	1	1	1	1	1	1	1	2
24	2	3	9	7	7	1	1	1	1	1	2	3	1	1	1	1	1	1	1	1	2	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	7	4	1	1	1	1	1	1	1	1	1	1	1
27	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	7	9	8	2
28	15	11	13	14	11	10	6	3	5	4	3	2	1	1	1	1	1	1	1	1	1	1	1	1	5
29	1	1	7	26	39	22	15	5	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	6
30	9	18	2	10	16	11	10	8	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
31	1	1	1	1	1	2	4	4	6	4	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2
HOURLY MEAN	4	4	4	5	5	4	4	5	5	6	5	4	4	3	2	3	2	2	3	4	5	5	4	4	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	1	18	27	9	12	48	54	37	11	34	15	1	1	6	20	9	27	17	40	13	4	13	5	9	2
MIN	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

  

DAY	26	27	28	29	30	31
MAX	7	9	15	39	18	6
MIN	1	1	1	1	1	1

MONTHLY AVERAGE = 4.0    MONTHLY MAXIMUM = 53.7    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 99.7%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :12/ 1/1992 TO :12/31/1992

NITRIC OXIDE (PPB)  
DECEMBER - 1992

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	1	1	1	1	1	1	1	1	5	9	9	9	8	8	7	5	4	3	3	1	1	6	14	1	4
2	1	1	1	1	1	35	60	61	97	67	38	24	12	10	13	10	4	2	3	72	81	45	21	26	29
3	126	161	101	74	71	38	1	1	1	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	25
4	1	1	1	1	1	1	1	14	106	100	25	26	35	30	19	8	5	8	14	14	25	6	1	7	19
5	11	13	6	62	56	50	48	37	61	51	59	47	26	12	5	6	5	1	1	1	28	43	12	10	27
6	26	30	25	8	3	1	8	21	23	16	40	30	23	21	17	11	5	2	14	49	120	173	128	112	38
7	77	56	28	24	26	23	30	112	133	143	84	42	17	21	20	12	15	14	22	17	93	229	179	172	66
8	288	302	317	219	54	106	259	210	214	232	173	121	127	18	13	14	60	164	301	251	158	76	9	1	154
9	1	3	1	1	2	1	3	9	11	33	43	16	16	12	CAL	CAL	8	6	7	7	8	6	4	4	9
10	3	2	1	1	1	1	1	1	5	6	37	47	96	101	25	10	6	3	3	53	136	156	109	61	36
11	19	3	3	8	5	4	4	41	35	44	44	31	28	28	21	18	38	57	38	47	72	102	124	67	37
12	68	32	18	8	2	2	2	3	4	5	5	5	4	3	3	2	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	4	57	48	30	26	41	41	45	41	28	24	22	14	9	12	16	6	15	39	245	212	73	44	46
15	28	15	74	82	28	9	5	23	39	66	74	40	25	25	26	13	4	4	3	3	1	1	1	1	25
16	1	1	1	1	1	1	1	5	10	9	8	7	9	6	6	5	3	7	3	11	4	13	90	163	15
17	216	184	52	5	3	3	25	60	105	167	169	120	75	60	50	59	38	21	55	297	211	187	154	79	100
18	219	216	89	120	98	67	19	27	41	78	21	12	41	40	33	21	15	5	1	1	1	1	1	11	49
19	21	13	27	32	33	51	33	25	24	30	37	24	19	9	27	32	18	2	1	1	1	27	73	91	27
20	232	184	36	34	122	53	64	60	30	20	13	15	26	48	46	37	29	7	24	13	7	2	1	1	46
21	1	1	1	1	1	1	1	15	24	58	34	29	15	16	22	29	24	8	5	4	3	14	24	114	19
22	114	93	68	59	23	39	53	64	30	7	12	16	11	7	7	7	5	3	1	1	1	1	1	1	26
23	1	1	1	1	4	11	18	43	42	40	19	CAL	CAL	CAL	CAL	8	1	3	1	1	2	6	49	126	19
24	56	84	150	190	182	7	2	13	23	26	33	32	33	31	21	9	5	7	5	5	3	1	1	1	38
25	1	1	1	3	3	3	1	2	5	7	10	18	17	15	11	9	5	3	4	5	17	14	14	26	8
26	12	18	3	3	4	3	8	16	34	15	16	18	25	23	8	6	6	4	3	30	29	18	10	3	13
27	48	18	4	3	3	3	4	5	13	15	13	12	10	9	18	18	9	3	4	34	83	102	100	96	26
28	218	168	175	206	156	132	68	18	82	57	44	33	40	24	13	5	2	1	2	3	3	10	8	5	61
29	4	16	119	141	108	55	63	45	41	20	44	32	64	52	21	32	33	33	34	35	37	26	4	3	44
30	18	12	12	16	23	14	31	21	38	18	24	17	9	6	6	5	4	3	3	3	3	3	3	3	12
31	3	1	2	3	5	14	30	44	80	85	24	6	4	4	4	5	12	9	6	6	4	7	30	71	19
HOURLY MEAN	59	53	44	44	34	24	29	34	45	47	38	28	28	22	16	14	12	13	19	32	44	48	40	42	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	14	97	161	106	62	173	229	317	43	156	124	68	1	245	82	163	297	219	91	232	114	114	126	190	26
MIN	1	1	1	1	1	1	12	1	1	1	3	1	1	1	1	1	3	1	1	1	1	1	1	1	1
DAY	26	27	28	29	30	31																			
MAX	34	102	218	141	38	85																			
MIN	3	3	1	3	3	1																			

MONTHLY AVERAGE = 33.8    MONTHLY MAXIMUM = 316.5    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 99.2%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE



ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :12/ 1/1992 TO :12/31/1992

NITROGEN DIOXIDE (PPB)  
DECEMBER - 1992

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	5	4	8	11	10	11	10	7	5	5	6	5	6	8	6	9	11	10	39	43	14	10
2	6	11	16	4	8	45	48	45	50	49	34	26	14	13	17	24	35	44	43	55	56	51	52	56	33
3	61	68	61	57	57	46	14	8	9	9	6	5	4	4	6	4	8	7	7	6	4	3	2	2	19
4	3	5	8	11	10	8	10	27	52	49	15	23	29	29	22	16	26	44	45	43	45	40	36	40	26
5	40	38	33	47	54	55	55	54	52	48	51	48	37	24	20	29	40	29	22	27	46	49	47	47	41
6	50	46	41	36	35	34	35	35	29	22	29	23	22	24	25	28	35	36	56	71	80	80	73	68	42
7	60	59	55	54	55	52	50	57	63	76	70	48	25	33	40	37	60	81	89	80	76	104	98	90	63
8	99	104	106	94	72	78	99	87	88	100	102	118	132	32	28	39	71	89	140	118	79	61	48	41	84
9	37	38	22	22	31	23	25	36	22	35	42	16	15	10	CAL	CAL	12	15	11	9	8	10	7	9	21
10	8	23	6	4	5	8	10	11	11	7	32	38	67	96	32	31	37	29	32	55	67	68	57	48	33
11	37	20	20	30	24	14	22	38	32	34	28	25	25	25	25	40	50	65	47	84	79	89	89	83	43
12	75	50	41	33	24	21	20	18	14	12	9	9	10	7	8	7	7	8	6	9	9	7	16	13	18
13	9	8	6	5	3	4	5	8	5	4	4	3	3	3	3	5	6	6	5	5	6	7	12	28	6
14	18	32	48	45	44	45	46	42	38	38	27	23	23	17	13	23	45	50	81	82	72	63	57	55	43
15	49	47	51	53	45	44	40	42	40	46	56	37	29	29	35	28	25	27	9	6	6	6	6	6	32
16	7	6	6	7	7	16	16	25	19	13	9	7	8	6	8	11	16	30	22	35	38	39	51	57	19
17	55	54	46	37	33	31	43	46	51	76	110	105	106	90	80	96	98	99	107	123	118	110	84	64	77
18	87	102	78	86	76	67	56	47	39	54	28	18	51	57	61	60	74	72	57	35	16	16	31	52	55
19	54	52	53	54	53	56	50	42	34	34	37	30	27	17	33	47	50	52	45	44	47	55	59	60	45
20	72	67	49	50	59	52	54	50	36	27	21	23	37	73	90	82	99	75	58	53	50	39	17	18	52
21	15	9	8	7	8	12	23	43	33	48	45	37	23	24	35	65	75	79	80	77	68	68	65	73	42
22	66	63	58	55	48	53	54	55	31	18	21	23	17	11	11	15	16	14	12	31	16	9	7	15	30
23	10	7	8	26	35	45	46	47	42	41	21	CAL	CAL	CAL	CAL	15	27	42	30	31	30	33	48	55	32
24	48	51	60	63	66	37	29	38	32	26	31	30	32	33	30	16	6	6	4	5	4	6	7	7	28
25	4	4	4	5	21	10	13	16	12	10	10	15	17	19	18	24	29	26	23	22	36	41	40	48	19
26	44	47	30	19	15	17	33	42	38	19	17	18	28	28	8	8	21	28	23	39	40	46	42	32	28
27	48	42	33	29	15	15	17	24	21	18	13	12	10	8	30	52	61	59	56	71	74	73	74	74	39
28	85	74	76	79	73	69	59	46	56	48	38	35	50	37	27	19	19	19	18	21	38	44	44	38	46
29	26	38	55	55	51	45	44	37	33	24	28	28	52	55	30	47	62	59	58	57	56	39	31	32	43
30	40	40	40	38	40	37	40	36	36	21	23	16	9	8	10	12	18	30	14	12	13	9	8	8	23
31	8	6	15	15	23	26	28	29	34	40	21	6	5	5	5	10	33	39	42	41	38	43	47	49	25
HOURLY																									
MEAN	39	39	37	36	35	34	35	37	34	34	32	28	30	27	26	30	38	41	40	44	43	43	42	41	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	43	56	68	52	55	80	104	140	42	96	89	75	28	82	56	57	123	102	60	99	80	66	55	66	48
MIN	2	4	2	3	20	22	25	28	7	4	14	6	3	13	6	6	31	16	17	17	7	7	7	4	4
DAY	26	27	28	29	30	31																			
MAX	47	74	85	62	40	49																			
MIN	8	8	18	24	8	5																			

MONTHLY AVERAGE = 36.2    MONTHLY MAXIMUM = 140.4    MONTHLY MINIMUM = 2.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 99.2%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :12/ 1/1992 TO :12/31/1992

NITROGEN OXIDES (PPB)  
DECEMBER - 1992

.....DAILY																									
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	3	6	4	8	12	12	17	20	17	15	14	15	14	12	12	10	13	13	11	45	58	14	15
2	6	11	16	4	8	80	110	107	148	117	73	51	27	23	31	35	39	47	47	128	138	97	74	82	62
3	187	230	163	132	129	85	15	9	11	13	9	8	8	6	8	5	9	8	8	7	5	3	3	3	44
4	4	6	9	12	11	9	11	42	158	150	41	49	65	59	43	24	32	53	60	58	70	47	36	47	46
5	52	51	40	110	111	105	103	91	114	100	110	95	63	38	25	36	45	28	21	27	75	92	60	58	69
6	77	76	67	45	39	35	44	57	53	38	70	55	46	46	43	40	40	39	72	121	200	253	201	181	81
7	138	116	84	79	81	76	81	169	196	220	154	91	43	55	61	51	76	96	112	98	169	334	277	262	130
8	388	407	423	314	126	184	359	298	303	332	275	239	259	51	42	54	132	253	442	369	237	138	58	43	239
9	38	41	25	23	34	26	29	46	34	69	86	32	32	23	CAL	CAL	21	22	19	17	17	17	12	14	31
10	11	27	8	5	6	8	11	13	17	14	71	86	164	198	58	42	44	33	36	109	204	225	167	110	69
11	56	24	23	40	30	19	26	80	68	79	73	57	54	54	47	59	89	123	86	131	152	192	214	151	80
12	144	83	60	42	27	24	23	22	19	18	15	15	15	11	12	10	9	9	7	9	8	7	17	14	26
13	10	9	6	5	2	2	3	7	6	5	4	3	3	3	3	4	5	6	5	4	5	7	13	29	6
14	20	37	106	94	75	72	88	85	84	79	56	47	46	32	23	37	62	57	96	122	317	276	131	99	89
15	78	63	126	136	74	53	47	66	80	113	131	78	55	55	63	42	29	31	14	10	8	9	8	9	57
16	9	8	7	7	7	16	16	31	29	23	18	15	18	14	16	17	20	38	26	47	43	52	141	220	35
17	271	238	99	42	37	35	68	107	156	244	279	225	181	150	130	155	136	121	163	420	329	296	238	143	178
18	306	317	168	206	174	134	75	76	81	133	50	32	93	97	95	82	90	77	58	35	17	17	32	64	104
19	75	66	81	88	87	108	84	67	59	64	75	55	47	27	61	80	69	55	44	44	47	83	132	152	73
20	304	252	86	85	182	105	119	111	67	48	35	39	64	122	136	120	128	83	83	67	58	42	19	21	99
21	17	11	10	8	8	13	25	58	58	107	80	66	40	41	57	95	100	88	86	82	71	83	90	187	62
22	181	157	127	115	72	92	108	119	62	26	34	39	29	19	18	22	22	18	14	33	18	10	7	13	56
23	9	6	7	25	39	56	65	91	86	82	42	CAL	CAL	CAL	CAL	24	29	46	31	33	33	40	99	182	51
24	105	135	211	254	248	45	32	51	56	53	64	63	66	65	52	26	11	14	11	11	8	7	9	9	67
25	6	5	6	9	25	13	16	19	17	18	21	34	35	35	30	34	35	30	28	27	53	56	56	75	28
26	57	66	34	23	20	20	42	59	73	34	34	37	55	51	18	16	28	33	28	70	69	65	53	36	43
27	97	61	37	33	19	20	21	31	35	33	27	25	21	18	48	71	71	63	61	105	158	175	175	170	66
28	304	242	252	285	229	201	128	64	138	106	83	69	91	62	41	25	22	21	22	25	42	55	53	44	108
29	31	55	175	196	160	101	108	84	75	46	73	60	117	109	52	80	96	93	92	93	94	66	35	36	89
30	59	53	53	55	64	52	72	58	75	40	49	33	19	15	17	18	24	33	18	16	17	12	12	12	37
31	12	9	18	19	29	41	60	74	115	126	47	12	10	10	10	16	46	48	50	48	43	50	77	120	45
HOURLY																									
MEAN	99	92	82	81	70	59	65	71	80	82	71	58	59	50	43	44	51	54	60	77	88	92	82	84	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	58	148	230	158	114	253	334	442	86	225	214	144	29	317	136	220	420	317	152	304	187	181	182	254	75
MIN	3	4	3	4	21	35	43	42	12	5	19	7	2	20	8	7	35	17	27	19	8	7	6	7	5
DAY	26	27	28	29	30	31																			
MAX	73	175	304	196	75	126																			
MIN	16	18	21	31	12	9																			

MONTHLY AVERAGE = 70.7    MONTHLY MAXIMUM = 441.8    MONTHLY MINIMUM = 2.2  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 99.2%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 1/ 1/1993 TO : 1/31/1993

10M WIND SPEED (MPH)  
JANUARY - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	3.8	4.9	4.2	4.6	4.5	5.5	2.9	1.5	1.3	2.3	2.6	3.1	3.9	5.5	6.9	6.1	5.0	5.2	5.9	4.0	4.8	4.0	6.0	16.4	4.8
2	13.1	12.1	9.3	6.3	7.4	5.7	6.6	5.9	7.8	5.3	5.8	3.0	8.9	9.6	4.8	13.7	16.0	12.6	8.6	9.8	8.4	9.5	11.9	10.6	8.8
3	16.1	17.3	15.9	15.9	11.4	10.3	5.2	5.0	4.4	5.5	3.5	1.0	3.6	3.8	7.2	6.1	3.6	3.3	2.5	4.1	3.8	3.4	4.4	7.5	6.9
4	7.4	3.0	5.6	4.4	4.2	4.6	4.5	5.1	4.7	3.6	3.9	2.5	3.4	4.0	7.6	8.0	9.3	5.0	2.8	3.2	3.2	5.0	5.9	5.8	4.9
5	6.1	8.5	5.9	3.4	6.2	5.4	5.8	4.8	7.2	4.3	6.3	16.2	19.2	20.3	20.2	14.6	14.4	8.8	4.4	4.8	5.0	3.3	4.6	3.2	8.5
6	4.1	6.1	6.1	5.7	4.4	4.7	7.3	6.1	6.1	4.5	2.2	1.2	3.2	8.6	11.0	9.6	8.2	4.4	4.0	3.5	2.1	2.3	4.2	5.2	5.2
7	6.8	5.9	4.3	4.9	6.3	5.8	5.7	3.7	6.3	9.0	8.9	7.2	7.1	7.2	8.0	7.9	6.7	5.7	6.9	8.6	7.4	7.3	6.5	10.7	6.9
8	7.1	6.9	4.6	4.4	5.8	5.6	4.8	2.0	3.8	4.8	5.4	7.7	8.3	6.4	7.1	8.8	8.6	6.9	5.3	1.5	3.1	12.0	12.2	8.6	6.3
9	6.3	6.8	5.6	3.7	1.9	2.1	3.0	4.1	5.1	4.8	3.8	3.4	3.2	3.2	5.2	5.8	6.0	8.0	8.7	5.8	3.5	3.8	5.2	3.4	4.7
10	3.0	4.6	2.6	1.8	.8	.7	.7	1.6	2.3	2.2	3.0	4.0	4.4	4.2	5.1	4.7	3.1	2.7	3.4	2.7	2.5	1.8	2.6	3.8	2.8
11	2.0	2.0	1.7	1.5	1.4	1.2	2.8	3.1	3.0	3.3	3.1	2.0	3.8	6.0	8.6	4.0	3.9	6.0	3.2	3.5	7.4	8.3	7.3	10.5	4.1
12	4.9	7.7	9.0	7.7	8.5	8.0	10.3	8.5	10.3	8.6	6.1	5.0	6.2	7.5	6.1	8.2	9.3	5.7	6.5	4.4	2.1	3.2	5.1	3.6	6.8
13	2.3	1.8	4.3	5.1	4.3	5.1	5.5	4.4	4.7	3.5	9.8	10.4	9.1	12.0	10.9	6.6	8.3	8.1	5.9	4.5	2.1	3.8	3.0	2.8	5.7
14	3.3	3.5	5.3	4.4	6.0	2.8	2.2	4.5	5.2	2.7	2.9	4.1	6.4	5.3	4.7	2.6	3.0	5.5	3.0	2.4	2.6	3.6	7.0	8.5	4.2
15	8.7	7.9	8.2	7.9	11.9	16.9	12.3	8.6	8.2	4.0	5.9	5.3	4.2	3.7	2.6	2.7	4.8	6.6	9.6	7.5	6.5	8.8	11.6	15.5	7.9
16	12.1	9.6	8.8	7.2	7.9	10.8	9.7	12.1	7.4	8.1	6.3	4.2	6.0	8.9	8.1	5.8	8.8	9.2	7.0	6.3	7.0	5.8	2.5	4.8	7.7
17	6.4	5.6	4.5	4.2	2.7	1.2	2.1	2.0	2.2	2.3	4.1	5.0	3.4	3.3	5.1	6.3	7.2	6.6	4.1	1.6	1.8	2.6	3.6	3.2	3.8
18	2.5	2.9	4.7	4.5	4.2	2.4	2.4	3.6	2.3	3.1	4.2	3.9	6.1	7.3	6.0	6.6	8.9	9.2	6.7	3.2	2.1	2.9	.5	1.8	4.2
19	1.7	3.1	2.5	1.5	1.8	1.2	1.5	1.8	2.4	2.5	2.7	3.4	3.3	4.6	6.7	4.5	3.6	2.2	2.7	3.7	5.5	1.2	1.7	2.3	2.8
20	4.0	5.4	10.0	12.0	7.9	11.2	12.0	6.9	9.0	5.9	4.4	3.4	6.0	12.9	17.5	14.9	18.9	15.9	19.8	21.2	25.1	19.3	18.7	22.4	12.7
21	19.2	11.5	15.9	8.6	12.5	13.4	7.8	14.0	23.7	9.8	17.0	26.5	31.7	19.4	15.9	14.1	11.4	14.1	11.5	7.6	10.3	9.0	9.7	10.8	14.4
22	10.8	6.9	8.4	11.8	6.8	4.8	2.5	9.2	12.3	21.5	17.3	24.2	24.1	16.9	21.2	24.3	31.3	28.3	26.5	26.3	26.1	21.6	23.7	16.4	17.6
23	8.6	10.4	20.3	8.7	9.3	9.5	14.6	12.0	5.9	6.7	7.3	6.4	5.5	5.6	7.8	8.3	6.6	7.4	8.6	8.1	7.7	9.2	7.2	5.1	8.6
24	6.6	6.0	7.2	3.7	4.2	3.6	3.2	4.4	4.0	4.5	4.9	3.7	4.5	6.2	8.9	6.1	4.0	5.6	3.9	5.2	8.2	7.8	7.7	8.3	5.5
25	11.0	13.2	11.6	11.3	10.5	8.3	8.0	8.1	7.8	6.1	6.1	7.1	8.2	3.6	6.4	5.1	4.9	3.7	2.8	5.0	4.8	4.5	5.7	5.6	7.1
26	6.9	5.3	7.9	7.0	8.2	5.8	8.0	9.1	7.3	5.7	8.5	13.5	12.3	13.1	11.7	9.0	7.2	6.6	3.8	2.0	5.7	7.4	8.0	7.4	7.8
27	5.9	6.0	5.0	10.3	9.4	9.6	8.8	9.5	16.0	10.3	7.8	5.3	4.2	6.5	6.7	6.6	6.7	8.6	6.5	3.0	7.8	8.1	9.5	11.4	7.9
28	9.7	8.0	8.3	7.3	6.0	4.4	8.2	8.5	3.3	10.2	12.0	12.7	9.1	8.1	6.2	6.6	8.5	8.1	8.1	8.7	9.7	14.6	10.2	6.5	8.5
29	11.6	8.7	10.9	9.4	4.4	3.1	3.9	3.7	3.9	3.8	5.8	7.0	7.1	5.4	6.0	6.3	5.8	5.2	3.2	2.7	5.4	6.5	6.2	5.1	5.9
30	3.5	4.5	5.8	6.2	8.1	9.9	8.9	9.5	10.2	10.0	7.1	3.8	5.4	6.5	5.8	6.6	2.3	3.4	3.5	2.5	5.2	5.0	6.1	5.4	6.0
31	6.9	7.0	7.1	8.2	8.8	7.5	7.5	7.5	7.9	8.0	2.7	2.3	1.7	5.0	6.4	7.7	6.4	6.5	7.1	5.2	3.6	4.1	5.7	5.9	6.1
HOURLY MEAN	7.2	6.9	7.5	6.6	6.4	6.2	6.1	6.2	6.6	6.0	6.2	6.7	7.5	7.8	8.5	8.0	8.1	7.6	6.7	5.9	6.5	6.8	7.2	7.7	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	16.4	16.0	17.3	9.3	20.3	11.0	10.7	12.2	8.7	5.1	10.5	10.3	12.0	8.5	16.9	12.1	7.2	9.2	6.7	25.1	31.7	31.3	20.3	8.9	13.2
MIN	1.3	3.0	1.0	2.5	3.2	1.2	3.7	1.5	1.9	.7	1.2	2.1	1.8	2.2	2.6	2.5	1.2	.5	1.2	3.4	7.6	2.5	5.1	3.2	2.8
DAY	26	27	28	29	30	31																			
MAX	13.5	16.0	14.6	11.6	10.2	8.8																			
MIN	2.0	3.0	3.3	2.7	2.3	1.7																			

MONTHLY AVERAGE = 6.9    MONTHLY MAXIMUM = 31.7    MONTHLY MINIMUM = .5  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 1/ 1/1993 TO : 1/31/1993

WIND DIRECTION (DEGREES)  
JANUARY - 1993

DAY	HOUR																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	230	222	180	162	176	157	177	198	305	59	342	44	54	69	17	29	355	344	25	78	105	183	198	202
2	222	219	209	243	254	188	197	185	194	162	125	165	115	100	156	218	231	227	187	114	182	188	156	191
3	224	226	218	23	19	14	46	95	98	76	103	53	22	43	66	54	70	109	190	172	172	156	139	150
4	151	177	162	180	207	211	209	214	210	175	173	57	119	22	34	9	360	67	79	98	144	169	184	171
5	160	156	177	168	177	182	173	170	162	151	104	136	124	114	117	352	335	323	260	240	230	232	230	200
6	186	187	184	180	207	194	169	179	213	207	284	97	72	89	85	51	33	61	43	70	143	174	184	198
7	213	200	194	208	210	226	223	257	38	27	44	28	64	81	109	127	125	132	155	154	151	150	143	143
8	139	211	269	322	294	284	286	281	314	341	344	343	350	2	351	342	337	326	311	159	47	43	28	29
9	52	63	77	77	40	36	74	103	113	115	115	35	56	24	78	93	102	114	123	126	127	30	16	18
10	348	358	3	82	77	137	88	81	71	67	35	68	34	39	31	44	34	27	29	92	141	142	111	117
11	42	121	96	337	145	349	31	91	100	348	42	55	22	19	44	92	26	122	117	199	139	197	17	95
12	97	88	67	40	82	108	124	125	121	136	138	127	10	86	86	70	39	345	332	322	256	174	162	212
13	268	177	153	157	184	186	163	171	197	195	160	155	126	123	124	96	344	320	308	314	246	204	221	199
14	181	107	136	132	145	231	159	180	177	244	29	3	22	14	16	74	60	131	127	352	229	203	206	207
15	192	172	176	179	188	199	199	184	172	175	201	204	218	277	352	43	293	267	293	288	144	195	243	264
16	260	246	231	157	164	184	143	189	179	182	138	70	14	47	58	26	60	351	342	333	319	350	176	227
17	221	229	216	217	230	194	167	230	253	306	5	62	75	53	40	42	6	3	343	338	183	204	169	160
18	183	62	52	46	44	26	228	189	173	210	238	327	24	22	32	13	351	10	28	7	310	84	157	29
19	44	30	23	0	33	40	58	54	68	46	7	20	352	332	341	320	348	283	199	187	200	73	171	309
20	165	207	208	206	213	236	256	267	243	229	218	257	305	292	287	272	269	268	274	269	275	268	261	266
21	267	256	242	230	253	259	351	336	316	15	281	273	286	290	287	306	335	349	354	94	148	168	147	168
22	202	189	171	169	194	183	64	136	166	195	197	213	211	246	290	281	284	295	291	276	276	268	259	291
23	288	270	251	288	310	16	13	17	54	71	68	66	73	65	81	77	124	140	151	168	176	159	140	173
24	179	173	189	250	271	295	292	34	354	23	7	20	5	328	10	49	168	191	194	179	164	166	180	174
25	191	194	191	191	191	187	187	186	183	244	21	36	339	351	88	120	113	159	123	133	170	175	196	203
26	200	186	164	179	190	229	200	174	180	174	177	163	148	138	134	130	144	319	314	178	180	184	180	178
27	185	185	205	194	187	190	195	214	198	195	186	172	95	95	98	92	72	111	176	204	181	187	190	192
28	192	192	199	242	276	294	3	28	356	357	23	46	62	75	79	104	109	100	117	118	127	144	139	114
29	162	175	170	170	204	281	285	317	328	333	336	342	2	357	2	348	348	20	52	128	188	186	185	184
30	203	211	204	193	190	189	184	184	186	198	192	286	2	6	20	29	23	32	20	321	211	192	194	199
31	201	185	180	183	196	188	190	193	195	207	228	190	104	86	85	88	108	119	95	163	183	202	178	158

TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744      VALID DATA RECOVERY RATE = 100.0%      OPERATIONAL RECOVERY R

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 1/ 1/1993 TO : 1/31/1993

SIGMA THETA (DEGREES)  
JANUARY - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	18	23	14	13	13	14	17	30	71	34	63	44	22	26	21	22	30	22	26	8	28	22	31	9	26
2	20	22	12	26	13	35	30	17	24	52	28	68	8	9	43	7	9	5	62	41	13	10	15	16	24
3	4	4	21	7	10	14	23	25	15	11	20	46	23	16	7	9	7	28	14	12	6	13	7	4	14
4	8	13	9	5	12	10	13	13	24	19	21	32	26	32	10	22	24	53	60	35	19	18	13	20	21
5	9	5	32	20	10	29	23	47	21	36	28	10	5	4	3	53	5	6	17	11	8	11	15	19	18
6	11	9	9	22	33	25	19	22	16	18	37	52	18	11	9	10	9	27	28	17	26	11	10	5	19
7	4	10	8	8	9	8	11	42	16	9	8	11	12	15	12	11	9	14	7	6	5	5	5	8	11
8	14	26	26	8	19	8	13	47	10	14	12	9	17	14	15	9	6	12	9	58	46	25	7	11	18
9	8	5	7	12	12	16	12	5	14	25	27	22	30	13	20	9	5	6	8	25	20	14	7	12	14
10	22	11	25	17	20	60	47	21	20	15	14	17	24	16	12	10	11	15	7	21	20	14	16	11	19
11	24	24	48	33	51	55	24	19	18	34	26	21	17	28	42	43	25	53	70	50	17	69	30	38	36
12	59	50	23	38	19	9	5	10	8	13	11	14	32	17	10	27	15	13	10	22	30	30	31	72	24
13	22	23	10	8	18	16	20	15	21	27	12	11	16	12	7	14	32	9	8	9	39	11	10	14	16
14	20	19	9	20	13	42	32	16	21	48	47	26	15	23	22	18	17	32	58	57	33	20	8	4	26
15	8	8	5	11	10	3	7	4	6	19	8	11	22	22	52	48	21	13	22	35	19	26	11	16	17
16	33	32	55	22	13	13	23	5	18	10	73	26	37	27	31	48	28	20	21	24	12	19	42	20	27
17	19	8	9	14	17	40	7	45	19	37	19	29	11	14	12	10	12	11	13	34	24	34	14	13	19
18	65	29	15	21	22	21	53	11	17	17	12	31	13	8	18	10	11	13	13	17	34	36	63	24	24
19	21	9	16	22	17	25	33	15	12	16	20	12	16	10	11	12	16	39	12	10	8	59	22	41	20
20	33	14	12	8	8	17	6	9	6	7	12	19	8	7	6	13	7	5	6	7	3	5	4	5	9
21	7	31	26	15	24	21	31	40	16	44	20	9	3	16	12	8	27	29	50	39	13	18	10	15	22
22	10	11	24	12	42	59	44	16	9	6	19	8	9	27	9	7	6	4	9	4	6	6	10	13	15
23	70	15	7	17	37	18	10	10	22	14	15	20	17	24	13	11	26	7	10	11	10	14	14	15	18
24	6	10	17	23	45	38	76	30	33	33	26	34	27	18	28	45	57	22	20	21	7	5	3	5	26
25	6	3	2	4	3	4	8	11	17	29	44	17	20	38	12	11	15	41	62	43	29	20	16	16	20
26	12	16	14	9	9	35	15	6	18	12	11	7	7	7	5	11	20	26	33	17	7	3	4	6	13
27	13	20	42	4	4	10	14	12	5	10	9	11	36	12	10	15	26	9	42	51	14	6	8	5	16
28	5	17	14	13	27	14	28	9	32	16	14	11	16	10	11	9	5	5	9	6	8	6	6	18	13
29	12	7	6	4	22	19	15	12	11	9	9	18	15	21	16	16	12	7	11	52	5	6	4	8	13
30	25	12	11	5	3	5	2	3	7	6	10	65	19	17	18	13	15	8	16	72	8	6	4	10	15
31	9	3	4	7	4	2	3	6	7	6	39	60	54	18	12	8	11	8	15	18	10	16	13	8	14
HOURLY MEAN	19	16	17	14	18	22	21	18	18	21	23	25	19	17	16	18	17	18	24	27	17	18	15	15	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	71	68	46	60	53	52	42	58	30	60	70	72	39	58	52	73	45	65	59	33	50	59	70	76	62
MIN	8	5	4	5	3	5	4	6	5	7	17	5	7	4	3	5	7	8	8	3	3	4	7	3	2

  

DAY	26	27	28	29	30	31
MAX	35	51	32	52	72	60
MIN	3	4	5	4	2	2

MONTHLY AVERAGE = 18.9    MONTHLY MAXIMUM = 75.5    MONTHLY MINIMUM = 2.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMP  
SITE 4 FROM : 1/ 1/1993 TO : 1/31/1993

TEMPERATURE (DEGREES F)  
JANUARY - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	21.9	21.2	21.3	20.0	19.8	18.7	19.7	20.0	19.4	20.1	20.7	21.4	25.1	30.1	31.4	30.5	28.3	26.0	23.2	22.3	23.6	25.4	25.7	36.5	23.8
2	39.7	41.1	41.1	39.3	37.9	40.7	39.3	39.0	38.2	42.5	48.0	50.5	48.9	46.5	54.4	53.8	51.5	48.8	44.7	43.0	44.1	43.4	38.4	41.2	44.0
3	41.2	40.8	39.9	20.5	20.5	20.0	20.3	21.2	20.6	19.7	19.9	21.5	21.0	20.4	18.9	18.3	17.9	18.2	17.9	17.2	16.6	15.9	13.4	7.6	21.2
4	5.7	7.4	5.6	6.0	6.2	5.5	6.3	7.1	9.4	14.1	19.9	24.2	28.2	30.7	23.6	19.5	15.4	12.5	11.9	11.3	11.3	14.2	15.6	16.5	13.7
5	17.3	17.8	15.9	15.3	16.8	15.7	19.1	16.9	14.5	19.9	27.1	30.0	28.7	27.8	27.9	21.0	14.8	12.2	11.5	12.6	13.7	13.9	14.5	12.7	18.2
6	12.4	11.3	10.2	9.4	10.1	10.2	9.9	10.2	12.4	17.1	24.2	32.8	32.5	31.1	31.6	27.1	23.0	20.1	18.9	18.6	18.3	18.8	19.1	20.1	18.7
7	19.8	18.7	18.7	18.8	17.8	18.4	19.0	20.4	19.5	19.5	20.9	21.8	22.3	21.5	20.5	19.8	19.2	17.3	16.2	15.4	15.6	16.2	17.5	19.0	18.9
8	18.6	19.1	16.2	15.2	14.1	13.1	12.6	13.2	13.9	14.9	15.7	16.2	16.6	17.4	17.4	16.6	16.0	15.9	15.9	16.5	16.3	14.3	11.9	11.1	15.4
9	10.6	9.4	8.3	7.5	6.6	6.2	5.7	4.3	3.2	4.3	7.9	10.3	11.2	10.0	8.0	5.1	1.8	.3	-1.2	-1.3	.8	1.2	.0	-1.0	5.0
10	-1.5	-2.2	-1.9	-2.0	-2.2	-2.2	-2.0	-1.9	-1.1	.3	2.8	4.1	6.5	8.9	9.2	8.8	6.0	4.3	3.8	3.5	3.2	3.7	3.8	3.8	2.3
11	3.0	2.3	2.0	1.6	1.2	1.2	.4	.2	2.3	3.7	5.7	12.0	11.9	11.6	11.4	12.2	9.9	8.0	9.1	10.1	10.1	10.8	10.8	11.0	6.8
12	12.7	13.4	14.2	12.5	9.7	8.4	7.6	6.6	4.9	9.6	16.2	20.0	18.6	14.1	13.7	11.8	5.3	1.2	-.3	.2	.1	.3	.4	.2	8.4
13	.9	-.4	.1	.2	1.4	1.4	.0	1.3	3.5	10.5	20.1	22.7	22.6	22.6	21.1	20.0	15.6	9.8	10.7	11.6	12.2	13.1	15.0	15.2	10.5
14	15.7	15.2	14.1	14.9	13.1	14.0	14.8	14.1	16.5	20.9	25.5	27.2	28.5	29.0	29.1	29.7	27.4	26.1	28.1	25.6	26.6	27.6	27.3	27.3	22.4
15	27.5	27.7	27.4	27.5	29.1	29.7	28.8	28.6	31.9	36.8	41.4	46.3	50.0	49.7	49.4	48.7	45.4	43.1	41.5	40.2	36.9	34.3	37.4	39.8	37.5
16	38.8	36.7	34.5	30.8	30.0	29.1	30.0	32.7	32.8	36.2	39.6	41.0	40.1	37.8	38.6	38.0	36.3	27.9	24.6	23.8	23.1	22.1	21.1	22.2	32.0
17	22.2	23.1	24.4	25.0	24.8	24.4	24.6	24.7	25.0	25.5	25.9	24.7	27.1	30.4	31.1	29.3	25.6	23.2	23.1	22.6	22.4	23.3	23.7	24.0	25.0
18	23.6	23.1	21.4	19.0	14.3	15.1	15.9	14.9	16.7	21.8	26.9	29.8	29.7	29.8	30.6	29.4	26.4	23.9	19.2	15.6	16.3	15.3	13.9	13.8	21.1
19	14.5	14.6	14.4	14.1	14.6	14.5	14.6	15.3	16.2	18.2	18.2	18.8	17.8	17.4	17.1	17.1	17.4	17.8	18.6	19.9	21.9	22.1	22.9	22.0	17.5
20	22.6	24.6	25.0	26.9	29.6	32.6	34.7	35.0	36.0	40.5	45.7	50.6	49.0	48.7	47.6	47.3	43.9	42.8	44.4	44.6	45.2	46.5	46.8	47.5	39.9
21	47.0	48.2	47.8	49.5	49.4	49.2	50.3	46.4	50.6	50.3	49.5	49.2	48.6	49.2	49.9	48.7	44.9	43.4	42.8	39.4	34.5	33.5	33.3	36.0	45.5
22	37.1	36.0	33.8	35.5	37.2	36.0	36.7	38.2	42.5	51.9	55.3	56.4	57.4	56.1	52.3	48.6	40.3	39.1	39.3	39.8	39.5	38.6	38.5	37.6	42.6
23	36.0	35.6	34.6	33.7	32.7	28.6	25.9	23.5	22.8	23.7	25.7	27.3	27.9	29.1	28.8	28.2	27.3	24.7	23.7	24.1	23.2	22.3	19.9	20.5	27.1
24	20.3	20.1	20.3	19.5	19.1	16.7	16.4	13.6	15.1	17.8	17.4	19.0	22.9	24.2	25.3	23.5	23.8	23.5	24.9	25.8	25.0	24.3	25.5	24.8	21.2
25	25.6	26.4	27.3	27.6	27.4	28.2	29.3	31.2	33.6	40.2	36.9	36.5	33.8	35.6	38.4	44.4	43.8	40.9	38.9	35.8	36.7	37.4	36.3	34.6	34.5
26	35.2	34.8	35.1	35.0	35.3	33.7	33.1	33.3	35.6	40.0	48.4	51.5	53.4	52.9	50.8	49.3	46.3	38.3	35.5	35.6	36.7	35.9	35.5	36.0	39.9
27	36.1	34.9	33.5	32.6	33.4	33.6	32.6	32.5	36.3	42.3	48.9	54.2	56.9	55.9	55.4	52.9	47.2	44.2	39.7	39.6	39.5	36.8	34.8	36.5	41.3
28	35.7	35.0	34.5	32.6	31.6	30.3	30.7	31.7	32.2	33.5	33.3	32.0	31.2	30.9	30.7	30.2	29.3	28.8	28.4	28.4	28.5	29.1	29.4	29.4	31.1
29	29.6	28.7	28.7	28.2	26.9	26.4	26.4	26.0	26.1	26.5	27.6	29.3	29.6	30.2	30.2	29.9	28.6	27.6	26.9	26.7	25.7	25.9	25.9	25.5	27.6
30	25.1	24.4	24.0	23.9	23.5	24.8	25.7	27.0	30.3	35.3	40.3	45.0	45.0	45.5	45.5	44.4	43.8	41.2	39.6	37.4	37.4	36.4	34.8	32.8	34.7
31	30.8	31.3	32.0	32.2	31.2	31.9	33.0	32.6	35.6	40.7	47.6	51.6	55.0	54.0	53.3	51.6	48.5	44.6	39.7	36.3	37.9	39.4	36.0	33.1	40.0
HOURLY MEAN	23.4	23.2	22.7	21.7	21.4	21.2	21.3	21.3	22.5	25.8	29.1	31.6	32.2	32.2	32.0	30.8	28.1	25.7	24.6	23.9	24.0	23.9	23.5	23.8	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	36.5	54.4	41.2	30.7	30.0	32.8	22.3	19.1	11.2	9.2	12.2	20.0	22.7	29.7	50.0	41.0	31.1	30.6	22.9	50.6	50.6	57.4	36.0	25.8	44.4
MIN	18.7	37.9	7.6	5.5	11.5	9.4	15.4	11.1	-1.3	-2.2	.2	-.3	-.4	13.1	27.4	21.1	22.2	13.8	14.1	22.6	33.3	33.8	19.9	13.6	25.6
DAY	26	27	28	29	30	31																			
MAX	53.4	56.9	35.7	30.2	45.5	55.0																			
MIN	33.1	32.5	28.4	25.5	23.5	30.8																			

MONTHLY AVERAGE = 25.4    MONTHLY MAXIMUM = 57.4    MONTHLY MINIMUM = -2.2  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMP  
SITE 4 FROM : 1/ 1/1993 TO : 1/31/1993

BAROMETRIC PRESSURE (INCHES)  
JANUARY - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7
2	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.5
3	24.4	24.4	24.4	24.4	24.4	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.5
4	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7
5	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.7
6	24.8	24.8	24.8	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.6	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.7
7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.6	24.6	24.6	24.6	24.6
8	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.5	24.5	24.5	24.6	24.6	24.5
9	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
10	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7
11	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.4	24.4	24.4	24.3	24.4	24.4	24.4	24.4	24.4	24.5	24.5	24.5	24.5	24.5	24.5
12	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7
13	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
14	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
15	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
16	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.7	24.7	24.7	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.7
17	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7
18	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.7
19	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7
20	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
21	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.8	24.7
22	24.8	24.8	24.8	24.7	24.7	24.7	24.6	24.6	24.6	24.5	24.5	24.4	24.4	24.4	24.4	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.6
23	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.0	25.0	25.0	25.0	25.0	25.0	24.8
24	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8
25	24.9	24.9	24.9	24.9	24.9	24.8	24.9	24.9	24.8	24.8	24.8	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.8
26	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9
27	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.7	24.7	24.8
28	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.9	24.9	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.9
29	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.0	25.0	25.0	25.0	25.0	25.0	24.9
30	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.9	24.9	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
31	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.0
HOURLY MEAN	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	24.9	24.6	24.7	24.7	24.8	24.8	24.7	24.6	24.8	24.8	24.5	24.8	24.8	24.7	24.7	24.8	24.7	24.8	24.8	24.6	24.9	24.8	25.0	24.9	24.9
MIN	24.6	24.4	24.4	24.6	24.7	24.6	24.6	24.4	24.6	24.6	24.3	24.5	24.7	24.6	24.6	24.6	24.6	24.7	24.6	24.6	24.6	24.4	24.6	24.8	24.8
DAY	26	27	28	29	30	31																			
MAX	24.9	24.8	25.0	25.0	25.0	25.0																			
MIN	24.8	24.7	24.7	24.9	24.9	24.9																			

MONTHLY AVERAGE = 24.7    MONTHLY MAXIMUM = 25.0    MONTHLY MINIMUM = 24.3  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 1/ 1/1993 TO : 1/31/1993

PRECIPITATION (.01 INCHES)  
JANUARY - 1993

DAY	HOUR																								DAILY TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MONTHLY TOTAL (INCHES)= .02 MONTHLY MAXIMUM (INCHES)= .02  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744 VALID DATA RECOVERY RATE = 100.0% OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING CAL IS CALIBRATION CODE



ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 1 FROM : 1/ 1/1993 TO : 1/31/1993

RELATIVE HUMIDITY (PERCENT)  
JANUARY - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	99.0	99.3	98.8	99.3	99.6	99.2	99.4	99.9	99.8	99.0	96.3	94.7	87.3	73.4	72.8	75.1	80.8	87.8	94.8	97.6	95.9	93.5	92.9	82.7	92.5
2	66.2	50.9	44.2	45.5	49.3	41.9	45.0	45.4	48.8	45.9	41.6	40.3	42.9	42.5	41.5	34.3	22.9	26.9	42.5	42.0	40.5	40.2	44.0	42.0	42.8
3	44.1	50.4	51.8	92.6	100.8	100.8	100.8	100.8	100.8	100.7	100.6	100.5	100.5	100.4	100.5	100.4	100.4	100.4	100.4	100.3	100.0	99.1	98.8	97.8	93.5
4	96.4	96.8	96.3	95.1	94.4	94.2	93.9	93.2	91.3	87.3	78.0	74.6	67.0	62.0	70.8	76.5	84.8	91.6	95.8	96.7	97.1	93.8	90.3	91.6	87.9
5	93.5	85.9	88.0	93.5	63.4	63.5	62.9	66.8	65.1	57.9	46.7	42.1	42.9	45.5	46.2	59.6	69.4	70.3	71.3	70.8	69.2	68.5	65.6	71.3	65.8
6	77.4	78.4	80.3	83.0	86.8	90.1	87.8	88.7	89.1	83.7	59.8	43.6	41.5	44.3	46.2	54.3	60.3	66.9	74.9	75.0	72.8	64.9	60.2	62.6	69.7
7	66.2	77.5	82.2	83.8	85.0	89.3	88.0	80.5	74.0	76.1	88.0	92.1	87.4	80.6	81.2	86.7	89.5	93.5	95.2	94.0	94.2	94.4	93.3	83.2	85.7
8	78.0	79.2	91.0	95.4	98.4	99.7	100.4	100.6	100.2	100.1	99.5	98.4	97.3	95.9	95.5	96.9	97.8	97.9	98.3	99.0	99.7	99.5	99.1	99.1	96.5
9	98.9	98.6	98.2	98.1	98.1	98.2	98.0	97.7	97.1	96.4	95.5	92.0	91.0	89.5	89.4	89.6	90.9	93.6	94.7	95.1	95.2	95.0	95.0	94.9	95.0
10	94.9	95.0	94.9	95.1	95.1	95.0	94.9	94.8	94.4	94.1	93.8	93.5	93.0	92.2	91.0	90.1	91.0	93.8	95.3	96.1	96.1	95.9	96.1	97.0	94.3
11	96.9	96.7	96.6	96.5	96.5	96.4	96.1	95.9	96.1	95.7	95.9	94.6	90.5	86.7	83.2	81.0	82.0	88.4	91.0	92.2	91.5	89.5	92.3	90.3	92.2
12	89.7	92.3	98.0	99.2	99.7	99.2	98.4	96.7	94.7	90.5	82.0	72.3	72.9	75.5	76.6	76.6	79.9	86.1	91.0	93.4	95.4	96.4	96.1	96.4	89.5
13	96.4	95.8	96.1	95.7	95.8	95.4	95.2	94.5	94.7	91.2	73.8	47.8	47.3	51.4	54.7	58.9	68.9	88.1	92.3	92.7	92.4	92.4	90.9	89.9	83.0
14	83.1	78.3	85.6	84.4	83.2	84.0	91.6	91.2	90.7	76.4	68.2	61.1	59.2	57.1	54.5	52.7	55.4	58.7	58.3	63.2	64.2	62.2	69.2	81.8	71.4
15	85.5	75.2	73.9	73.7	67.3	62.9	63.3	63.0	58.0	52.3	48.3	43.6	36.0	28.9	31.5	32.2	43.6	43.0	42.6	44.1	48.1	49.5	43.5	36.8	51.9
16	35.9	34.3	35.7	41.5	44.5	44.9	42.4	39.1	38.1	36.9	40.1	42.7	46.9	48.5	49.6	53.0	54.5	74.7	85.8	88.1	90.5	92.4	94.7	94.6	56.2
17	95.9	96.5	95.3	94.3	94.5	95.2	94.8	95.8	96.4	96.0	93.5	94.5	93.3	88.7	86.0	86.9	91.7	96.3	96.6	96.9	97.4	97.1	96.0	95.4	94.4
18	97.4	99.5	99.2	100.6	100.3	100.3	100.4	100.2	100.1	100.3	100.3	99.0	98.0	95.5	94.2	93.0	95.0	97.8	100.2	100.4	100.4	100.2	100.1	98.9	
19	100.1	100.1	100.1	100.0	100.1	100.0	100.0	100.0	100.1	100.1	100.1	100.0	100.0	99.9	99.8	99.6	99.8	100.0	99.9	99.7	99.1	99.0	99.8	100.0	99.9
20	99.9	99.1	98.2	95.3	67.6	48.9	33.9	29.4	28.4	26.8	23.4	20.0	20.3	20.9	21.8	23.8	29.8	32.4	31.9	32.8	32.6	29.7	29.9	29.0	41.9
21	30.4	29.9	28.6	28.3	27.3	28.2	26.6	31.6	25.9	26.2	26.9	25.8	25.2	24.1	22.4	23.4	33.1	30.3	27.8	31.7	42.3	47.5	48.3	52.9	31.0
22	53.7	51.2	53.3	48.8	57.2	43.7	44.0	42.3	35.2	22.2	18.0	17.1	16.8	17.3	21.9	31.1	44.0	38.6	35.0	29.7	23.1	23.7	23.8	24.0	34.0
23	24.0	24.0	25.4	25.6	28.1	34.0	43.4	58.5	67.4	67.0	63.8	60.3	58.9	55.1	54.6	56.7	59.1	69.7	74.8	73.8	70.6	70.7	75.9	74.0	54.9
24	73.7	74.8	73.7	74.1	76.5	87.9	92.9	95.2	95.9	92.0	89.2	86.3	78.7	72.6	72.4	76.8	80.4	78.3	72.9	62.5	59.1	56.8	56.3	58.1	76.5
25	59.6	59.2	53.8	50.4	50.7	49.6	47.8	46.4	46.3	48.0	57.3	61.1	63.0	54.3	53.2	49.0	47.0	57.9	66.9	67.5	70.9	74.0	65.1	70.0	57.0
26	67.3	65.6	64.5	64.2	61.5	64.6	62.5	65.3	62.5	59.7	42.7	31.9	30.9	33.5	39.4	45.1	49.1	74.8	83.3	80.9	74.6	79.4	77.5	72.4	60.5
27	65.7	65.2	71.7	70.7	69.7	63.9	62.7	62.8	52.1	39.7	21.6	17.3	16.1	16.1	16.3	30.6	52.9	48.6	50.1	61.9	52.5	52.2	62.5	55.4	49.1
28	50.1	46.7	46.0	45.5	45.5	47.6	48.6	52.4	51.8	52.8	56.7	70.2	80.3	83.9	84.6	87.7	93.0	94.8	95.8	96.1	96.3	95.2	93.9	93.4	71.2
29	92.5	90.5	90.6	91.0	93.6	97.0	99.6	99.6	99.4	99.3	98.8	96.0	93.3	89.6	89.0	88.8	89.5	92.3	95.5	96.4	96.9	98.0	97.8	97.5	94.7
30	97.8	98.0	98.7	96.9	95.1	89.6	84.0	76.2	71.1	59.8	45.2	35.7	33.2	33.2	39.2	37.1	30.5	35.3	46.6	50.0	52.1	50.0	53.3	62.7	61.3
31	69.4	72.0	66.4	61.7	62.9	61.1	58.7	56.9	57.4	48.4	29.6	20.2	17.8	16.4	16.7	17.0	18.7	26.2	47.3	53.8	51.1	49.6	53.2	57.9	45.4
HOURLY																									
MEAN	76.8	76.0	76.7	78.1	77.1	76.3	76.1	76.2	74.9	71.7	66.9	63.5	62.2	60.5	61.2	63.4	67.3	72.1	75.8	76.6	76.2	75.8	76.0	76.0	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	99.9	66.2	100.8	97.1	93.5	90.1	95.2	100.6	98.9	97.0	96.9	99.7	96.4	91.6	85.5	94.7	97.4	100.6	100.1	99.9	52.9	57.2	75.9	95.9	74.0
MIN	72.8	22.9	44.1	62.0	42.1	41.5	66.2	78.0	89.4	90.1	81.0	72.3	47.3	52.7	28.9	34.3	86.0	93.0	99.0	20.0	22.4	16.8	24.0	56.3	46.3
DAY 26 27 28 29 30 31																									
MAX	83.3	71.7	96.3	99.6	98.7	72.0																			
MIN	30.9	16.1	45.5	88.8	30.5	16.4																			

MONTHLY AVERAGE = 72.2    MONTHLY MAXIMUM = 100.8    MONTHLY MINIMUM = 16.1  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAMMP  
SITE 1 FROM : 1/ 1/1993 TO : 1/31/1993

MAXIMUM WIND SPEED (MPH)  
JANUARY - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6.1	9.4	7.5	7.0	7.7	9.1	5.6	6.0	3.9	4.0	7.3	7.9	7.7	8.0	9.4	8.3	11.6	8.8	7.9	8.4	8.6	8.5	13.0	17.5	8.3
2	17.5	15.4	11.1	12.1	7.8	13.5	13.3	9.6	11.1	19.5	10.5	6.5	13.3	13.9	10.5	27.4	22.9	15.9	13.8	14.5	11.8	12.8	17.8	15.4	14.1
3	18.7	22.3	16.0	23.1	16.1	15.3	13.1	8.8	7.4	8.4	6.9	4.2	6.0	7.9	10.1	9.5	6.2	5.1	4.7	8.6	7.0	6.1	9.4	10.8	10.5
4	11.4	7.1	8.1	9.2	8.2	8.9	7.9	8.8	8.2	5.4	8.6	5.6	6.1	9.9	12.3	12.2	11.3	13.6	6.3	6.0	6.9	10.2	10.4	10.3	8.9
5	10.0	12.3	8.7	10.4	9.8	10.2	9.4	12.2	13.1	9.4	9.1	22.5	27.1	26.8	26.2	21.3	17.2	12.1	7.5	7.0	7.8	6.9	8.3	7.2	13.0
6	8.6	11.9	11.9	13.7	12.6	10.3	10.7	12.9	11.2	8.5	4.3	3.2	6.1	14.3	14.7	13.7	9.7	6.2	6.3	7.1	4.4	4.1	7.1	8.2	9.2
7	7.3	8.9	7.6	9.1	8.6	7.3	8.4	6.7	8.5	12.9	15.3	11.6	10.6	11.5	10.9	10.8	9.8	6.8	9.2	13.0	11.6	11.4	8.7	16.2	10.1
8	13.9	7.1	8.9	5.7	7.3	8.6	6.3	5.5	6.9	7.2	9.3	10.0	11.1	10.6	10.4	11.8	11.6	11.8	9.4	3.7	8.0	17.8	17.2	10.7	9.6
9	9.6	10.9	8.2	5.9	3.6	2.9	3.4	6.4	5.6	4.2	4.1	6.4	6.0	6.8	8.8	7.2	9.0	9.1	11.8	9.8	7.4	5.0	6.4	5.9	6.9
10	4.9	7.1	3.5	3.3	2.3	3.0	2.3	3.6	4.5	4.7	5.0	6.4	6.7	6.4	7.2	6.4	5.2	4.2	4.4	4.1	4.2	3.8	4.9	5.4	4.7
11	2.8	3.6	3.4	2.9	3.9	3.7	4.4	5.3	6.0	6.6	5.9	5.8	6.5	11.3	12.1	8.5	7.0	13.7	8.9	9.5	17.3	17.5	9.9	14.6	8.0
12	11.1	10.8	12.9	10.5	10.6	15.4	16.1	13.9	14.1	12.8	11.0	9.7	10.3	11.5	11.7	13.4	16.5	9.1	11.1	7.3	5.4	7.0	8.7	7.1	11.2
13	4.5	4.7	9.5	9.6	8.1	9.0	12.4	8.5	6.5	6.4	13.4	13.0	15.2	17.5	15.2	12.1	15.8	10.9	8.1	6.9	4.8	6.0	6.0	5.0	9.5
14	6.2	8.2	9.9	5.7	9.4	10.0	5.9	9.6	9.3	6.2	8.6	7.3	9.1	8.1	7.2	4.9	6.1	10.8	10.3	7.0	8.7	7.2	9.7	11.1	8.2
15	12.8	12.8	12.3	14.8	21.1	20.6	15.4	13.3	9.9	6.6	11.9	9.4	4.4	9.3	4.0	8.0	9.9	9.3	16.8	11.1	13.0	17.3	21.5	25.6	13.0
16	20.4	21.5	17.2	13.1	13.9	19.8	16.2	20.3	18.7	19.0	13.8	9.0	18.2	19.0	10.4	10.4	12.7	11.8	10.8	9.7	10.1	7.6	8.2	10.0	14.2
17	7.4	9.7	7.2	6.4	6.7	4.5	4.1	3.7	3.6	4.3	7.3	7.7	6.8	6.4	8.5	8.6	10.0	11.7	5.8	3.2	3.6	6.7	6.6	5.2	6.5
18	6.7	5.5	6.5	5.6	5.8	4.3	8.5	9.8	4.2	5.1	5.8	8.8	10.1	9.7	8.7	8.6	9.4	8.4	8.5	6.6	6.0	4.8	3.1	3.5	6.8
19	3.8	5.2	5.3	3.0	4.0	3.2	3.5	3.3	3.8	5.1	4.8	6.3	5.4	6.9	8.1	6.0	5.9	3.6	4.6	5.3	6.8	4.7	3.6	5.5	4.9
20	10.4	10.1	16.2	16.2	11.6	13.9	14.1	9.9	11.0	9.1	7.7	6.2	13.1	23.5	25.6	18.8	24.8	24.0	33.8	34.8	36.4	27.1	25.2	32.2	19.0
21	27.0	17.9	39.0	24.8	31.6	29.2	13.1	38.0	36.5	36.8	31.5	42.0	46.2	32.7	26.8	22.1	17.3	22.1	20.6	13.4	16.2	13.7	12.5	16.0	26.1
22	16.7	13.5	11.9	12.8	9.9	7.8	8.6	14.5	18.0	30.6	33.0	33.1	33.6	23.2	34.5	42.2	41.9	36.6	38.0	32.8	40.1	33.3	34.0	23.0	26.0
23	26.7	16.5	33.3	18.6	18.0	17.8	21.3	15.7	13.1	11.5	12.4	12.8	11.0	11.4	12.1	13.6	12.7	9.3	10.8	12.4	12.2	15.4	8.4	7.7	14.8
24	8.0	7.1	9.2	7.8	4.9	4.7	8.9	6.7	6.2	9.1	9.4	7.4	9.7	10.6	17.2	14.3	7.9	10.3	9.4	11.2	13.2	11.8	10.6	11.7	9.5
25	14.7	15.8	16.1	16.3	17.0	13.9	15.3	15.6	13.4	11.2	11.8	11.3	12.4	7.2	9.5	7.2	7.0	6.7	8.4	8.1	7.4	7.9	8.3	11.6	11.4
26	10.1	9.9	8.1	9.0	14.1	8.3	11.0	10.2	10.3	9.5	12.8	20.1	16.9	17.6	17.2	14.2	10.6	10.7	5.8	6.1	10.4	10.2	9.3	10.8	11.4
27	11.4	11.4	7.9	14.6	13.5	17.6	15.8	15.2	18.6	16.0	12.7	9.0	9.4	9.0	10.5	12.5	8.3	7.9	9.7	8.2	14.0	12.4	12.1	15.2	12.2
28	13.7	9.9	12.0	8.4	7.1	5.1	11.8	8.0	5.5	14.9	17.5	19.0	15.0	13.5	10.1	10.7	11.1	11.7	12.3	13.1	14.3	22.4	15.1	10.5	12.2
29	17.3	14.1	14.3	12.1	6.0	3.9	7.0	6.3	6.6	7.5	8.0	11.1	12.1	8.7	9.7	10.7	10.4	7.2	4.5	5.4	8.1	9.1	9.6	9.1	9.1
30	8.9	10.4	9.0	12.8	12.5	14.5	14.7	15.7	16.8	16.0	10.1	9.8	11.9	10.8	8.9	9.3	5.5	5.1	4.6	7.8	8.9	8.6	10.1	11.2	10.6
31	12.3	10.5	10.2	10.8	12.1	12.6	10.9	11.3	10.7	11.7	8.1	5.8	6.1	8.5	11.3	10.6	9.6	9.5	6.2	5.9	4.6	7.2	8.8	8.5	9.3
HOURLY																									
MEAN	11.6	11.0	11.7	10.8	10.5	10.6	10.3	10.8	10.4	11.0	10.9	11.2	12.4	12.7	12.9	12.7	12.1	11.1	10.7	9.9	10.9	11.1	11.1	11.7	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	17.5	27.4	23.1	13.6	27.1	14.7	16.2	17.8	11.8	7.2	17.5	16.5	17.5	11.1	25.6	21.5	11.7	10.1	8.1	36.4	46.2	42.2	33.3	17.2	17.0
MIN	3.9	6.5	4.2	5.4	6.9	3.2	6.7	3.7	2.9	2.3	2.8	5.4	4.5	4.9	4.0	7.6	3.2	3.1	3.0	6.2	12.5	7.8	7.7	4.7	6.7
DAY	26	27	28	29	30	31																			
MAX	20.1	18.6	22.4	17.3	16.8	12.6																			
MIN	5.8	7.9	5.1	3.9	4.6	4.6																			

MONTHLY AVERAGE = 11.3    MONTHLY MAXIMUM = 46.2    MONTHLY MINIMUM = 2.3  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 1 FROM : 1/ 1/1993 TO : 1/31/1993

10M-2M TEMPERATURE DIFFERENCE  
JANUARY - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5.4	4.5	7.4	9.5	8.1	4.3	6.0	5.8	2.0	.7	.6	.2	.1	.0	-.0	.1	1.4	2.8	1.8	3.2	5.5	7.0	5.5	3.5	3.6
2	4.5	6.7	7.2	6.1	5.1	8.4	7.6	6.0	3.8	2.1	1.3	.9	.9	1.9	2.7	2.9	3.7	5.3	4.4	4.1	4.7	5.3	3.7	4.3	4.3
3	2.9	2.2	2.6	.1	.0	.0	.0	.0	-.0	.0	-.0	-.1	-.2	-.1	-.1	.0	.1	.2	1.1	2.0	2.2	5.7	7.3	3.7	1.2
4	2.9	9.4	6.2	4.9	6.7	7.3	7.1	7.0	3.2	1.9	1.7	1.3	1.9	.6	.4	.3	1.5	3.3	5.7	4.2	7.1	8.6	9.0	9.2	4.6
5	11.0	8.9	6.6	10.8	8.6	7.2	10.2	9.2	5.0	1.2	.6	.6	.4	.4	.4	.2	.6	1.6	3.5	5.5	6.0	4.6	7.2	9.9	5.0
6	7.1	6.2	3.6	3.8	4.3	8.4	5.1	4.4	1.7	.1	-.2	.3	.3	.3	.3	.5	1.6	1.8	2.3	2.7	4.3	5.3	6.8	7.2	3.3
7	5.3	3.9	5.0	4.5	4.8	4.7	5.5	4.8	1.1	.1	.0	-.1	-.1	-.0	-.1	.0	.2	1.7	3.8	.7	.6	.7	.4	.7	2.0
8	.6	1.2	1.8	1.0	1.8	2.6	2.3	.3	.0	-.2	-.4	-.6	-.5	-.5	-.5	-.3	-.1	.1	.1	.1	.1	.0	.1	.1	.4
9	.1	.1	.2	.9	1.9	1.9	1.1	2.1	.2	.2	-.0	.0	.4	-.1	.3	.6	1.3	1.5	1.0	.2	.1	.1	.9	.3	.6
10	.7	2.7	1.7	2.8	2.4	3.5	2.8	3.5	1.4	.2	.1	.2	.0	-.1	-.1	.3	1.2	1.6	.2	.5	2.7	4.2	4.4	3.7	1.7
11	4.0	5.9	4.1	3.2	4.6	3.7	2.3	1.2	.3	-.1	.0	-.1	-.3	.1	-.1	.3	1.1	3.2	2.5	3.4	3.7	.9	.4	.3	1.9
12	1.9	3.6	2.8	1.8	1.1	1.4	.5	1.1	.4	.3	.2	.0	-.4	.2	.3	.3	1.1	3.3	3.4	4.3	4.8	6.6	6.5	4.1	2.1
13	3.6	7.7	8.5	6.6	6.6	4.3	4.6	2.9	2.0	.7	1.5	.3	.2	.1	.1	.4	.4	.3	.0	.0	.2	.9	1.6	4.8	2.4
14	5.7	4.9	4.4	4.2	4.8	4.2	5.1	4.6	2.1	.2	-.3	-.3	-.1	-.3	.1	.4	1.6	5.3	8.4	5.1	9.8	8.2	7.1	5.7	3.8
15	5.7	6.2	6.2	4.1	3.4	2.2	2.7	3.4	1.4	.3	.2	.2	.6	1.1	.0	1.3	3.1	4.3	2.8	4.7	6.4	3.4	3.3	2.1	2.9
16	2.9	3.6	4.1	7.3	7.6	4.1	6.0	4.0	3.0	1.5	.0	.0	.1	.1	.2	.4	.9	1.2	1.9	2.1	2.5	1.9	3.8	3.8	2.6
17	3.9	3.6	4.1	4.8	4.1	4.1	6.0	5.2	1.8	.1	.0	.0	.1	-.1	-.1	.2	.2	.1	.1	.8	3.6	2.6	2.4	5.1	2.2
18	6.5	7.3	6.1	2.9	.6	.3	.1	.3	.6	-.1	-.1	-.4	-.5	-.2	-.2	.0	.7	1.6	.6	.0	.0	.0	.0	.0	1.1
19	.1	.1	.0	.0	.1	.0	.0	.1	.1	.0	-.2	-.3	-.5	-.4	-.3	-.2	-.1	-.1	-.0	1.2	.7	.2	.4	.5	.1
20	.8	3.0	3.2	3.0	6.2	6.7	5.0	4.6	6.5	1.3	.2	.1	.2	.7	1.1	1.5	2.0	2.9	2.1	1.9	1.9	2.3	2.5	2.5	2.6
21	2.4	2.9	2.7	3.8	3.6	3.0	5.5	2.5	1.9	.8	.9	1.2	1.0	.8	.7	.9	1.9	2.4	2.5	3.1	2.9	4.0	3.8	3.7	2.5
22	4.4	6.8	4.3	4.2	5.2	6.7	6.7	5.7	1.7	1.3	1.2	1.0	.9	1.7	1.1	.9	.8	.8	1.0	1.2	1.1	1.0	1.0	1.6	2.6
23	1.7	1.5	1.7	2.0	1.9	1.9	.8	.6	.3	-.1	-.5	-.5	-.4	-.3	-.4	-.2	.4	1.5	1.5	1.5	1.8	1.8	1.6	3.2	1.0
24	2.5	1.9	3.0	3.6	3.1	2.1	2.9	.6	-.0	-.2	-.3	-.2	-.6	-.5	-.3	-.1	.5	2.5	4.6	4.8	4.0	3.0	2.9	3.2	1.8
25	1.9	1.5	1.5	1.4	1.3	1.7	1.7	1.1	.4	-.3	-.4	-.5	-.8	-.5	-.2	.2	1.0	2.6	2.0	2.7	3.5	5.6	6.6	4.3	1.6
26	4.1	4.6	5.0	5.7	4.9	4.7	5.2	2.6	1.5	.4	-.1	-.2	-.2	-.2	-.1	.3	1.2	1.7	2.5	6.3	6.7	3.6	2.8	3.3	2.8
27	5.0	4.5	3.8	4.1	2.5	3.1	2.8	3.9	.6	-.1	-.4	-.2	-.1	.0	.1	.3	1.4	4.0	5.1	6.6	7.6	4.3	2.9	2.5	2.7
28	2.6	3.7	4.8	5.8	3.2	2.5	3.2	2.4	-.0	-.8	-.7	-.7	-.3	-.4	-.2	-.1	.0	.1	.1	.1	.2	.2	.2	.2	1.1
29	.7	1.0	1.0	1.2	2.4	2.0	.4	.1	-.2	-.3	-.4	-.7	-.7	-.5	-.4	-.3	.2	1.6	1.5	2.4	2.5	1.9	1.9	2.9	.8
30	4.5	3.2	3.6	3.1	1.9	1.7	2.2	1.7	.4	-.3	-.5	-.7	-1.0	-.7	-.7	-.2	.2	2.5	2.8	3.6	7.4	5.1	4.7	3.7	2.0
31	3.7	2.5	3.1	4.2	4.1	3.7	4.7	3.6	.4	-.2	-.2	-.3	.0	-.2	-.2	.2	1.6	5.0	3.7	3.0	4.6	5.1	5.8	4.6	2.6
HOURLY MEAN	3.5	4.1	3.9	3.9	3.8	3.6	3.7	3.1	1.4	.3	.1	.0	.0	.1	.1	.4	1.0	2.1	2.4	2.6	3.5	3.4	3.5	3.4	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	9.5	8.4	7.3	9.4	11.0	8.4	5.5	2.6	2.1	4.4	5.9	6.6	8.5	9.8	6.4	7.6	6.0	7.3	1.2	6.7	5.5	6.8	3.2	4.8	6.6
MIN	-.0	.9	-.2	.3	.2	-.2	-.1	-.6	-.1	-.1	-.3	-.4	.0	-.3	.0	.0	-.1	-.5	-.5	.1	.7	.8	-.5	-.6	-.8
DAY	26	27	28	29	30	31																			
MAX	6.7	7.6	5.8	2.9	7.4	5.8																			
MIN	-.2	-.4	-.8	-.7	-1.0	-.3																			

MONTHLY AVERAGE = 2.2    MONTHLY MAXIMUM = 11.0    MONTHLY MINIMUM = -1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CQMMP  
SITE 3 FROM : 1/ 1/1993 TO : 1/31/1993

SOLAR RADIATION (LANGLEYS/HR)  
JANUARY - 1993

		HOUR																								DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.3	.4	.7	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	
2	.0	.0	.0	.0	.0	.0	.0	.0	.1	.4	.6	.6	.7	.5	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	
3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	
4	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.4	.9	.8	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	
5	.0	.0	.0	.0	.0	.0	.0	.0	.2	.5	.8	.7	.7	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	
6	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4	.7	.9	.8	.7	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	
7	.0	.0	.0	.0	.0	.0	.0	.0	.2	.5	.7	.8	.7	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	
8	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.3	.3	.3	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	
9	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	.7	.8	.8	.7	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	
10	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	.5	.7	.7	.7	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	
11	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.4	.7	.8	.7	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.2	
12	.0	.0	.0	.0	.0	.0	.0	.0	.3	.5	.8	.9	.8	.7	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.2	
13	.0	.0	.0	.0	.0	.0	.0	.0	.3	.5	.7	.7	.6	.5	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.2	
14	.0	.0	.0	.0	.0	.0	.0	.0	.2	.5	.6	.7	.7	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	
15	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	.6	.7	.7	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.2	
16	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	.6	.7	.7	.6	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.2	
17	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.3	.4	.4	.6	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.1	
18	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	.6	.9	.8	.7	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.2	
19	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.3	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
20	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	.6	.7	.8	.7	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.2	
21	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	.6	.8	.8	.7	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.2	
22	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	.6	.8	.8	.4	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.2	
23	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.6	.8	.8	.7	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.2	
24	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.2	.3	.5	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.1	
25	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.5	.5	.6	.7	.6	.5	.3	.1	.0	.0	.0	.0	.0	.0	.2	
26	.0	.0	.0	.0	.0	.0	.0	.1	.2	.4	.6	.8	.8	.7	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.2	
27	.0	.0	.0	.0	.0	.0	.0	.1	.3	.5	.7	.8	.8	.7	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.2	
28	.0	.0	.0	.0	.0	.0	.0	.0	.3	.5	.7	.7	.4	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
29	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.3	.5	.4	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.1	
30	.0	.0	.0	.0	.0	.0	.0	.1	.4	.6	.7	.8	.8	.7	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.2	
31	.0	.0	.0	.0	.0	.0	.0	.1	.4	.5	.7	.8	.8	.7	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.2	
HOURLY																										
MEAN	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	.5	.7	.7	.6	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	.7	.7	.2	.9	.8	.9	.8	.3	.8	.7	.8	.9	.7	.7	.7	.7	.6	.9	.3	.8	.8	.8	.8	.5	.7
MIN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

  

DAY	26	27	28	29	30	31
MAX	.8	.8	.7	.5	.8	.8
MIN	.0	.0	.0	.0	.0	.0

MONTHLY AVERAGE = .2    MONTHLY MAXIMUM = .9    MONTHLY MINIMUM = .0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 1/ 1/1993 TO : 1/31/1993

OZONE (PPB)  
JANUARY - 1993

DAY	HOUR																								DAILY
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	3	3	1	1	2	3	6	9	14	21	29	34	39	33	18	10	11	11	6	1	1	11
2	1	3	14	6	4	4	4	1	6	14	28	32	33	29	31	28	28	22	22	9	2	11	19	13	15
3	17	24	22	18	20	20	20	21	24	25	24	24	24	27	33	34	33	30	31	24	21	20	19	10	24
4	20	8	10	1	2	1	1	2	8	15	23	32	38	37	28	24	8	1	1	1	1	1	4	5	11
5	1	1	1	1	1	1	1	2	7	14	30	37	39	41	42	29	18	15	13	4	8	5	5	1	13
6	2	3	1	1	1	1	1	3	8	10	11	17	26	39	42	CAL	7	1	1	5	2	7	1	1	8
7	3	2	2	1	1	3	3	4	6	18	27	30	35	40	41	40	37	31	18	29	30	31	29	33	21
8	33	22	9	8	8	6	8	14	20	24	24	25	26	27	26	27	23	16	15	8	15	16	15	15	18
9	14	12	14	13	13	13	13	10	10	17	21	23	25	30	31	33	33	29	28	15	13	12	26	25	20
10	11	5	13	14	11	11	12	10	18	25	29	31	34	34	31	21	12	18	16	21	22	23	16	13	19
11	16	6	8	9	6	8	3	4	13	18	21	34	38	44	42	41	34	29	21	8	1	3	3	5	17
12	1	1	12	23	21	27	26	19	26	24	30	34	33	37	39	37	31	18	3	15	3	1	1	1	19
13	1	1	2	3	3	2	2	3	6	12	34	43	45	44	43	44	26	4	5	6	1	1	1	1	14
14	1	4	1	1	1	1	1	3	7	11	19	23	29	38	39	34	17	1	1	1	1	1	8	6	10
15	4	2	1	1	1	8	2	1	6	12	18	24	29	32	27	29	9	1	9	17	5	1	5	32	11
16	25	9	14	3	7	8	11	12	19	22	24	27	30	36	39	39	33	10	13	17	12	14	16	14	19
17	4	4	1	1	1	1	1	1	3	8	20	25	33	37	38	37	32	29	25	22	22	24	15	1	16
18	1	1	2	1	3	21	23	11	7	11	14	17	19	22	22	22	10	1	1	1	1	1	1	1	9
19	1	1	1	1	3	5	10	16	17	20	26	29	31	30	35	31	27	19	11	1	1	1	1	1	13
20	1	1	1	1	1	8	21	20	20	27	28	37	CAL	36	36	33	29	24	30	33	35	32	30	33	22
21	33	26	25	21	26	30	31	22	35	35	38	39	40	40	41	38	26	30	33	33	15	11	13	28	30
22	33	27	17	18	25	19	15	17	15	30	34	35	37	34	33	33	36	35	36	35	37	37	37	36	30
23	32	34	35	34	33	29	26	30	CAL	33	34	35	35	39	40	39	35	29	26	20	14	15	17	23	30
24	11	10	12	5	1	1	1	1	9	17	19	21	23	21	25	22	13	1	1	1	1	1	1	1	10
25	1	9	14	17	17	12	3	1	4	8	9	14	19	24	25	23	20	1	1	1	1	1	1	1	9
26	1	1	1	1	1	1	1	1	2	5	18	31	34	34	34	27	20	3	1	1	1	1	1	1	9
27	1	1	1	2	9	6	1	1	6	12	23	25	31	37	39	24	15	22	5	1	1	1	1	1	11
28	6	9	9	5	3	1	1	7	10	22	30	31	32	31	30	28	30	30	30	26	24	27	25	20	19
29	23	21	24	22	12	6	6	12	13	13	16	18	18	14	19	23	25	21	20	20	4	1	1	1	15
30	1	1	1	1	1	1	1	4	12	19	25	24	23	29	30	31	31	29	20	13	1	1	1	1	13
31	1	1	1	1	6	12	11	9	14	15	10	18	31	43	44	44	43	41	31	20	21	1	1	1	17
HOURLY																									
MEAN	10	8	9	8	8	9	8	9	12	17	23	27	30	33	34	32	25	18	15	14	11	10	10	11	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	39	33	34	38	42	42	41	33	33	34	44	39	45	39	32	39	38	23	35	37	41	37	40	25	25
MIN	1	1	10	1	1	1	1	6	10	5	1	1	1	1	1	3	1	1	1	1	11	15	14	1	1
DAY	26	27	28	29	30	31																			
MAX	34	39	32	25	31	44																			
MIN	1	1	1	1	1	1																			

MONTHLY AVERAGE = 16.2    MONTHLY MAXIMUM = 44.7    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 99.6%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 1/ 1/1993 TO : 1/31/1993

CARBON MONOXIDE (PPM)  
JANUARY - 1993

HOUR																									DAILY	
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1.5	1.6	2.7	2.9	3.1	2.3	1.9	2.7	2.6	2.7	2.1	2.0	1.7	1.4	1.1	.7	.7	1.0	1.0	.9	.9	1.1	1.7	2.4	1.8	
2	2.0	1.4	.7	.8	.8	.7	.8	1.0	1.1	1.2	.8	.9	.6	.5	.6	.7	.6	.7	.6	.9	.9	.7	.7	.8	.9	
3	.6	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.6	.7	.6	.6	.6	.5	
4	.6	.8	.7	.9	.9	.9	1.3	1.7	2.5	2.7	2.3	1.7	.8	.7	1.8	1.8	1.4	1.3	1.4	1.3	1.3	1.8	3.2	4.3	1.6	
5	2.7	1.7	2.0	1.8	.9	1.0	1.2	2.4	1.8	2.1	.6	.5	.5	.5	.5	.9	1.0	.9	1.0	1.1	1.0	1.2	1.1	1.9	1.3	
6	3.3	3.6	2.4	2.1	1.8	1.9	2.3	3.6	3.7	4.6	4.0	2.8	2.2	1.3	.5	CAL	1.2	1.2	1.3	1.1	1.1	1.0	1.3	2.3	2.2	
7	3.1	3.0	2.7	2.6	2.5	2.6	2.8	2.8	2.2	1.3	.8	.6	.6	.6	.5	.6	.6	.6	.7	.6	.6	.6	.6	.6	1.4	
8	.5	.6	.7	.7	.7	.8	.8	.8	.7	.6	.6	.6	.6	.6	.6	.6	.7	.7	.8	.8	.7	.7	.7	.7	.7	
9	.7	.6	.6	.6	.6	.6	.6	.7	.8	.7	.6	.6	.6	.6	.7	.6	.6	.6	.7	.8	.7	.7	.7	.7	.7	
10	.8	.9	.9	1.0	.9	.9	.9	1.0	.9	.8	.8	.8	.8	1.0	1.1	1.1	1.0	.9	.9	.9	.8	.9	.9	.9	.9	
11	.9	1.0	1.0	.9	1.0	1.0	1.1	1.2	1.2	1.1	1.1	.9	1.1	1.2	1.3	1.2	1.0	1.0	1.2	1.5	2.3	3.6	1.7	1.4	1.3	
12	1.9	1.6	1.0	.8	.7	.7	.8	.8	.8	.9	.9	.9	.8	.7	.7	.7	.7	.8	1.0	.9	1.2	1.1	1.3	1.6	1.0	
13	1.2	1.5	2.1	2.7	2.8	2.7	2.8	3.5	3.5	3.1	1.1	.7	.6	.6	.7	.6	1.1	1.4	1.3	1.2	1.3	1.4	1.7	1.9	1.7	
14	1.4	1.6	2.0	1.7	1.4	1.7	2.3	2.9	5.2	4.2	4.4	5.0	4.3	3.1	2.7	2.4	2.3	2.2	1.9	2.2	2.5	2.9	6.2	7.7	3.1	
15	5.8	4.9	2.3	1.6	1.0	.9	1.1	1.7	2.9	2.4	1.8	1.7	1.4	1.1	.9	.8	1.5	1.4	1.1	.8	1.4	1.8	1.5	.6	1.8	
16	.7	1.1	.9	.9	.7	.8	.8	.8	1.0	1.0	1.1	.9	1.2	1.3	.9	.9	.9	1.5	1.5	1.3	1.2	1.0	1.0	1.0	1.0	
17	1.1	1.2	1.2	1.4	1.4	1.4	1.4	1.3	1.6	1.6	1.1	1.1	.9	.8	.9	.9	1.0	1.0	1.0	1.0	1.0	.9	1.0	1.5	1.2	
18	2.1	1.8	1.5	1.3	1.2	.9	.8	1.0	2.0	3.1	3.5	3.0	3.0	2.0	2.0	1.6	1.5	1.6	1.6	1.5	1.4	1.3	1.3	1.2	1.8	
19	1.2	1.2	1.2	1.2	1.1	1.1	1.0	1.0	1.0	1.0	.9	.9	.9	.9	.9	.9	1.0	1.1	1.2	1.6	2.8	2.3	2.3	2.2	1.3	
20	2.3	2.6	2.4	1.9	1.7	1.2	.8	.9	1.2	1.1	1.0	.8	CAL	.7	.7	.7	.8	.8	.7	.6	.6	.7	.6	.6	1.1	
21	.6	.6	.6	.6	.6	.6	.6	.6	.7	.6	.6	.6	.6	.6	.6	.6	.6	.7	.7	.7	.6	.8	.9	.9	.7	
22	.7	.7	.8	.8	.7	.8	.8	.9	1.2	.8	.7	.6	.7	.6	.6	.6	.6	.7	.7	.7	.7	.7	.7	.7	.7	
23	.6	.6	.6	.6	.6	.6	.7	.6	CAL	.7	.7	.7	.7	.7	.7	.7	.7	.7	.8	.9	1.0	1.0	.8	.7	.7	
24	1.0	1.0	1.0	1.0	1.1	1.2	1.1	1.1	1.0	.9	.9	.9	.8	.9	.8	.9	.8	1.0	1.4	1.7	2.3	1.9	1.7	1.5	1.2	
25	1.1	.9	.8	.8	.7	.8	1.0	1.6	2.0	2.4	2.4	1.9	1.6	1.3	1.5	1.2	1.1	1.2	1.4	1.3	1.8	3.1	2.5	2.7	1.5	
26	1.6	1.3	1.0	.9	.9	1.0	1.4	2.2	2.8	2.7	1.3	.7	.7	.7	.7	.7	.8	1.6	1.6	1.6	1.7	2.5	2.0	1.8	1.4	
27	1.3	1.1	1.0	.9	.8	.8	1.1	1.7	2.0	1.7	1.1	1.1	.9	.7	.7	.7	1.1	.8	1.0	1.4	3.0	2.6	2.2	1.5	1.3	
28	1.0	.9	.9	1.4	1.6	1.4	1.2	1.0	1.1	.8	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.9	
29	.7	.7	.7	.7	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.9	.8	.8	.7	.7	.7	.7	1.0	1.6	2.3	2.2	.9
30	1.8	2.1	2.0	1.8	1.6	1.2	1.1	1.2	1.3	1.1	1.2	1.2	1.3	1.1	1.2	1.1	.9	.9	1.0	1.0	1.3	3.1	3.5	3.4	1.6	
31	2.8	1.7	1.4	1.3	1.0	.8	.8	.9	1.0	1.1	.9	.8	.7	.6	.6	.6	.7	.7	.7	.8	.8	1.2	2.5	2.1	1.1	
HOURLY																										
MEAN	1.5	1.4	1.3	1.3	1.2	1.1	1.2	1.4	1.7	1.6	1.3	1.2	1.1	.9	.9	.9	.9	1.0	1.0	1.1	1.3	1.5	1.6	1.7		

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	3.1	2.0	.7	4.3	2.7	4.6	3.1	.8	.8	1.1	3.6	1.9	3.5	7.7	5.8	1.5	1.6	3.5	2.8	2.6	.9	1.2	1.0	2.3	3.1
MIN	.7	.5	.5	.6	.5	.5	.5	.5	.6	.8	.9	.7	.6	1.4	.6	.7	.8	.8	.9	.6	.6	.6	.6	.8	.7
DAY	26	27	28	29	30	31																			
MAX	2.8	3.0	1.6	2.3	3.5	2.8																			
MIN	.7	.7	.7	.7	.9	.6																			

MONTHLY AVERAGE = 1.3 MONTHLY MAXIMUM = 7.7 MONTHLY MINIMUM = .5  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744 VALID DATA RECOVERY RATE = 99.6% OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 1/ 1/1993 TO : 1/31/1993

SULFUR DIOXIDE (PPB)  
JANUARY - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	2	2	4	3	3	3	3	4	3	3	2	1	3	2	1	1	1	1	1	1	1	1	1	7	2
2	5	9	1	7	4	15	7	14	4	6	1	1	1	1	1	1	1	1	1	1	2	3	1	1	4
3	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	3	3	4	4	3	1	1	1	1	1	1	1	1	1	1	1	4	10	2
5	10	7	15	15	3	3	3	8	4	4	1	1	1	1	1	1	1	1	1	1	1	1	3	5	4
6	5	4	6	5	6	6	7	7	9	18	28	42	39	CAL	1	6	15	17	17	12	11	9	9	10	13
7	9	8	8	8	7	10	10	10	6	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	5	15	20	34	34	11	3	3	2	1	4	7	6
11	3	6	6	4	5	3	3	5	5	3	2	2	2	3	3	4	1	1	2	4	10	15	17	5	5
12	16	13	7	4	3	3	3	3	2	3	3	4	4	4	3	3	3	3	2	2	3	3	11	26	5
13	52	18	12	11	11	8	9	12	8	10	2	1	1	1	1	1	1	1	1	1	1	1	9	12	8
14	12	10	7	12	13	12	10	10	11	10	10	16	30	23	20	14	15	17	18	17	15	22	26	21	15
15	18	10	4	3	1	1	1	3	4	4	4	7	8	9	1	1	5	3	1	1	4	6	8	1	5
16	2	4	1	2	2	1	1	1	1	1	1	1	3	3	1	1	1	1	1	1	1	1	1	1	1
17	1	1	3	1	3	2	3	4	5	4	1	1	1	1	3	3	1	1	1	1	1	1	1	1	2
18	2	2	1	1	1	1	1	1	1	4	18	32	29	22	18	12	8	3	1	1	1	1	1	1	7
19	1	1	1	1	1	1	1	1	1	1	CAL	CAL	1	1	1	1	1	1	1	1	5	5	5	4	2
20	4	4	5	6	14	7	1	1	1	2	17	CAL	1	1	1	1	1	1	1	1	1	1	1	1	3
21	1	4	3	9	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	2	1	1	1	1	1	1	1	CAL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	3	1	1	1	1	1	1	1	3	4	1	1	1	1	3	3	4	3	4	3	2
25	2	1	1	1	1	1	1	2	4	9	5	3	2	3	3	3	1	3	3	2	4	6	6	6	3
26	4	3	3	1	1	2	4	3	3	4	1	1	1	1	1	1	1	1	1	1	1	4	3	3	2
27	2	1	1	1	1	1	1	3	3	5	1	1	1	1	1	1	1	1	1	2	7	5	5	4	2
28	1	1	1	5	8	4	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
29	1	1	1	1	1	1	1	1	1	1	1	1	3	8	3	1	1	1	1	1	1	1	2	3	2
30	5	5	4	3	2	1	1	1	1	3	2	14	16	8	6	6	6	5	5	5	5	9	8	7	5
31	5	3	1	1	1	1	1	1	1	4	53	31	12	1	1	1	1	1	1	1	1	3	6	2	6
HOURLY MEAN	6	4	3	4	3	3	3	3	3	4	6	6	6	4	3	3	4	3	2	2	3	4	5	5	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	7	15	7	10	15	42	10	1	1	34	17	26	52	30	18	4	5	32	5	17	9	1	2	4	9
MIN	1	1	1	1	1	1	1	1	1	1	1	2	1	7	1	1	1	1	1	1	1	1	1	1	1
DAY	26	27	28	29	30	31																			
MAX	4	7	8	8	16	53																			
MIN	1	1	1	1	1	1																			

MONTHLY AVERAGE = 3.8    MONTHLY MAXIMUM = 53.1    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 99.3%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 1/ 1/1993 TO : 1/31/1993

NITRIC OXIDE (PPB)  
JANUARY - 1993

DAY	HOUR																								DAILY
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	50	58	141	140	147	99	77	138	128	125	85	65	55	34	17	6	3	3	4	3	3	3	45	86	63
2	72	38	6	12	10	6	14	30	38	43	14	16	9	12	9	9	5	6	7	7	8	4	4	3	16
3	3	5	8	9	5	2	1	1	1	2	3	3	5	5	4	3	3	3	3	3	3	3	3	3	3
4	1	1	1	11	8	15	46	52	84	85	60	37	14	13	49	34	22	14	13	15	14	47	156	213	42
5	100	46	69	64	10	27	27	119	55	61	12	6	5	3	3	12	6	1	1	2	1	3	4	71	29
6	158	183	108	92	76	86	120	198	186	255	181	115	79	CAL	CAL	11	35	29	27	17	9	4	25	87	95
7	131	140	125	118	121	142	155	147	90	38	13	9	6	3	3	2	1	1	1	1	1	1	1	1	52
8	1	1	3	4	5	4	5	4	7	8	9	8	7	6	5	5	2	1	1	1	2	2	3	1	4
9	1	1	1	1	1	1	1	4	12	6	5	7	10	5	7	5	3	1	1	7	1	3	1	1	4
10	1	1	1	1	1	1	1	1	10	6	6	9	12	21	25	28	17	1	1	1	1	1	1	1	6
11	1	10	4	1	10	1	8	15	26	23	29	12	17	16	17	10	4	1	1	8	59	137	30	2	18
12	40	28	1	1	1	1	1	1	4	13	7	9	13	9	6	5	2	3	12	1	6	1	40	60	11
13	32	37	82	122	135	129	125	139	127	97	14	CAL	1	1	1	1	11	7	3	1	1	11	51	73	52
14	26	42	82	65	60	81	125	160	278	201	182	202	154	86	61	43	27	18	16	35	58	102	327	387	117
15	273	226	90	55	12	1	13	45	99	76	50	67	35	20	14	11	31	21	10	7	44	64	46	5	55
16	9	17	11	9	4	3	1	4	12	16	24	23	35	32	14	11	6	4	3	3	3	3	3	3	10
17	7	11	25	23	30	33	43	41	61	65	25	22	13	9	10	9	5	3	3	3	3	3	3	3	20
18	64	45	23	11	11	3	3	15	76	129	159	146	154	79	67	37	26	23	33	31	24	16	10	8	50
19	9	12	6	3	3	3	3	4	8	12	CAL	CAL	7	9	6	5	3	1	2	19	99	70	70	66	19
20	81	101	107	67	67	29	4	7	16	19	28	CAL	6	6	7	9	8	9	9	9	8	6	8	9	27
21	10	11	9	7	7	7	9	7	5	4	5	8	5	2	3	8	11	6	5	5	5	6	5	4	6
22	3	5	5	4	5	5	5	7	18	11	10	10	13	CAL	7	4	2	1	1	1	1	1	1	1	3
23	1	1	2	3	3	4	3	1	CAL	27	5	3	4	3	3	3	3	3	1	1	1	1	1	1	1
24	2	2	3	4	20	31	23	17	20	12	9	10	12	11	6	6	5	4	35	51	86	52	48	37	21
25	9	2	2	3	3	3	6	30	49	79	94	59	40	23	27	16	4	9	21	22	64	148	116	132	40
26	49	36	21	11	6	16	58	76	86	92	26	6	5	3	1	1	1	5	3	1	7	86	57	43	29
27	16	3	1	1	1	3	8	52	49	51	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	19
28	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	***
29	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	***
30	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	***
31	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	***
HOURLY																									
MEAN	43	39	35	31	28	27	33	49	59	58	42	37	27	17	15	11	9	7	8	10	20	30	41	51	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	147	72	9	213	119	255	155	9	12	28	137	60	139	387	273	35	65	159	99	107	11	18	27	86	148
MIN	3	3	1	1	1	4	1	1	1	1	1	1	1	16	1	1	3	3	1	4	2	1	1	2	2
DAY	26	27	28	29	30	31																			
MAX	92	52	***	***	***	***																			
MIN	1	1	***	***	***	***																			

MONTHLY AVERAGE = 30.4    MONTHLY MAXIMUM = 387.3    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 84.1%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE



ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 1/ 1/1993 TO : 1/31/1993

NITROGEN DIOXIDE (PPB)  
JANUARY - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	49	48	52	48	47	42	43	50	48	58	54	54	53	44	32	18	21	41	50	44	39	48	55	59	46
2	54	46	26	36	38	37	38	44	40	40	19	24	12	16	17	22	18	22	20	31	39	27	15	23	29
3	21	13	14	8	7	7	6	5	4	4	5	5	6	5	5	4	5	5	4	10	15	15	14	22	9
4	13	27	24	37	33	37	42	41	45	52	51	40	17	15	59	63	61	65	71	68	69	68	74	79	48
5	62	51	54	52	40	41	42	50	38	40	15	8	8	6	6	26	37	35	36	46	38	43	43	53	36
6	58	57	52	50	48	49	51	53	59	84	91	79	74	CAL	CAL	33	56	59	60	54	54	46	54	60	58
7	61	59	61	60	59	61	62	60	51	32	15	12	12	7	7	7	8	11	22	12	11	9	10	7	30
8	6	15	25	26	26	27	26	21	16	12	12	11	10	9	11	12	14	19	23	30	21	11	9	9	17
9	8	9	8	7	7	7	7	10	10	6	5	6	7	5	8	10	9	11	10	23	26	26	11	10	10
10	24	31	23	22	24	24	23	25	19	13	12	14	15	26	34	41	46	36	33	29	27	26	31	34	26
11	29	40	38	34	39	33	40	41	34	28	29	18	25	29	34	31	30	30	39	55	70	77	62	52	39
12	67	61	37	20	20	12	13	21	14	19	16	17	20	15	11	12	14	24	38	25	39	40	42	46	27
13	43	44	48	49	51	50	49	50	49	55	20	CAL	9	9	12	11	42	74	67	61	69	70	73	74	47
14	68	64	69	67	64	67	71	76	91	104	132	178	170	136	119	118	128	136	110	118	115	109	140	138	108
15	126	107	65	54	48	38	46	51	55	54	47	69	45	36	22	23	71	62	41	25	42	53	46	12	52
16	20	40	31	41	35	34	30	32	27	25	27	24	39	46	27	29	32	89	82	62	59	43	36	37	39
17	45	44	53	53	54	50	51	50	53	49	29	26	20	15	19	24	31	37	38	38	34	27	33	57	39
18	58	56	54	50	42	22	20	33	55	75	94	103	113	72	76	70	72	73	66	63	63	61	59	59	63
19	59	59	56	51	45	42	36	26	25	21	CAL	CAL	19	20	18	22	27	34	40	54	57	55	54	52	40
20	52	53	54	50	52	44	26	28	31	27	30	CAL	11	11	12	13	17	22	15	13	10	13	15	13	27
21	13	18	18	23	17	14	13	22	8	10	10	10	9	10	11	13	22	17	14	12	28	31	29	16	16
22	14	19	29	28	20	27	30	26	30	19	13	13	10	CAL	11	11	10	10	9	9	6	6	6	6	16
23	8	7	6	6	6	7	9	5	CAL	5	4	5	4	4	4	4	5	8	10	17	23	22	14	8	8
24	23	23	21	28	37	34	31	25	21	16	16	16	16	20	14	18	17	24	43	44	45	43	43	41	27
25	36	26	22	19	19	24	36	41	40	45	52	46	48	40	47	40	32	48	56	46	39	45	42	44	39
26	38	36	32	32	30	31	37	33	34	38	22	6	5	4	5	10	15	68	78	77	69	60	42	41	35
27	37	35	30	28	22	25	33	37	37	39	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	32
28	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	***
29	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	***
30	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	***
31	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	***
HOURLY																									
MEAN	40	40	37	36	34	33	34	35	36	36	33	34	30	25	25	26	32	41	41	41	43	41	40	40	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	59	54	22	79	62	91	62	30	26	46	77	67	74	178	126	89	57	113	59	54	31	30	23	45	56
MIN	18	12	4	13	6	33	7	6	5	12	18	11	9	64	12	20	15	20	18	10	8	6	4	14	19
DAY	26	27	28	29	30	31																			
MAX	78	39	***	***	***	***																			
MIN	4	22	***	***	***	***																			

MONTHLY AVERAGE = 35.7    MONTHLY MAXIMUM = 177.8    MONTHLY MINIMUM = 3.8  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 84.1%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 1/ 1/1993 TO : 1/31/1993

NITROGEN OXIDES (PPB)  
JANUARY - 1993

HOUR																											DAILY	
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN			
1	100	106	193	188	194	142	120	189	176	183	140	119	109	79	49	25	25	45	54	48	43	51	101	146	109			
2	127	84	33	48	49	44	52	74	78	84	34	41	21	29	27	32	24	29	28	38	48	32	20	27	46			
3	25	19	23	18	13	10	8	7	7	8	9	9	12	11	9	8	8	9	9	14	19	19	18	27	13			
4	15	29	25	49	42	53	89	94	129	137	112	78	31	30	109	98	84	80	85	84	84	115	231	292	91			
5	162	98	123	116	51	69	70	170	93	102	28	15	13	10	9	39	44	37	36	49	39	47	47	124	66			
6	216	241	161	143	125	136	172	251	245	339	272	195	154	CAL	CAL	45	92	90	87	72	63	51	79	148	153			
7	193	200	186	179	180	204	217	208	142	71	30	21	20	11	11	10	11	12	25	15	13	11	12	9	83			
8	7	16	30	31	32	32	32	26	24	21	22	20	18	16	18	17	17	21	25	33	25	15	12	10	22			
9	9	11	9	9	9	9	9	15	24	13	10	14	18	11	15	16	13	14	12	32	27	30	9	9	14			
10	23	31	23	20	22	22	21	27	29	20	19	24	28	47	60	70	64	39	35	32	30	28	33	35	33			
11	30	51	43	36	50	34	49	57	61	52	59	32	43	46	51	41	34	32	41	64	129	215	92	56	58			
12	108	90	40	22	22	14	15	23	18	33	24	27	33	24	18	18	17	28	51	25	46	42	83	107	39			
13	75	81	130	172	186	179	174	189	177	152	35	CAL	9	10	13	13	53	82	71	62	71	82	125	148	100			
14	95	107	151	133	125	149	197	236	370	306	314	380	324	222	180	162	155	155	127	153	174	211	466	525	226			
15	399	333	156	110	60	41	59	97	154	131	98	137	80	57	37	35	102	84	52	33	87	118	93	18	107			
16	30	59	43	50	40	38	33	37	39	41	52	48	75	78	42	41	39	94	85	66	63	47	39	40	51			
17	53	55	78	77	84	84	95	92	114	115	55	49	33	25	30	33	36	41	41	42	39	31	37	94	60			
18	123	101	78	61	54	27	24	49	132	205	253	250	267	152	144	107	99	97	100	95	88	78	70	68	113			
19	68	72	63	55	49	45	39	31	34	34	CAL	CAL	27	29	24	28	31	37	43	73	158	126	125	119	60			
20	134	155	161	118	120	74	31	36	49	47	59	CAL	18	18	20	23	27	31	26	22	19	20	24	23	55			
21	23	30	28	30	25	22	23	30	14	15	16	19	15	13	15	21	33	24	20	18	34	38	34	20	23			
22	18	25	35	33	26	32	36	34	48	31	24	24	24	CAL	19	16	13	11	9	9	6	5	5	6	21			
23	9	9	10	10	11	12	12	8	CAL	32	10	9	9	8	8	8	8	11	13	19	25	25	16	10	13			
24	26	26	24	33	58	66	55	43	41	29	26	28	28	32	21	25	23	29	79	96	132	96	91	78	49			
25	46	29	26	22	22	28	43	71	90	125	147	106	88	64	75	57	37	58	77	69	103	194	158	177	80			
26	88	73	53	44	37	48	95	109	120	130	48	13	10	8	5	10	15	73	82	78	77	146	100	85	65			
27	54	38	33	31	24	28	41	90	87	91	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	52			
28	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	***		
29	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	***		
30	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	***		
31	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	***		
HOURLY																												
MEAN	84	80	73	68	63	61	67	85	96	94	76	72	58	43	40	38	42	49	50	52	63	72	82	92				

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	194	127	27	292	170	339	217	33	32	70	215	108	189	525	399	94	115	267	158	161	38	48	32	132	194
MIN	25	20	7	15	9	45	9	7	9	19	30	14	9	95	18	30	25	24	24	18	13	5	8	21	22

  

DAY	26	27	28	29	30	31
MAX	146	91	***	***	***	***
MIN	5	24	***	***	***	***

MONTHLY AVERAGE = 66.9    MONTHLY MAXIMUM = 525.2    MONTHLY MINIMUM = 5.2  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 84.1%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 2/ 1/1993 TO : 2/28/1993

10M WIND SPEED (MPH)  
FEBRUARY - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6.1	5.9	5.4	6.1	3.3	3.9	3.4	2.0	1.8	3.7	3.2	3.0	6.4	9.6	9.0	7.2	9.3	5.2	5.3	4.6	5.7	7.8	5.4	4.4	5.3
2	4.7	6.2	7.7	7.9	8.1	7.3	6.6	10.6	7.2	6.1	9.6	6.4	8.8	8.4	6.0	10.2	15.6	6.8	13.7	11.2	6.6	6.4	6.4	6.2	8.1
3	4.4	7.0	8.3	4.2	4.3	3.9	3.7	3.6	2.9	6.6	9.3	8.9	6.7	5.9	6.3	8.2	5.6	3.2	3.6	1.5	2.4	1.6	4.0	5.2	5.1
4	4.3	4.1	2.9	2.3	2.8	3.2	2.6	2.4	3.6	5.2	5.3	2.8	4.1	5.3	3.2	3.0	4.2	6.3	6.6	8.1	7.9	6.9	5.7	7.6	4.6
5	8.7	8.9	6.9	7.1	7.4	9.0	9.1	10.3	11.7	9.2	8.2	6.9	3.6	2.8	1.9	3.0	1.2	2.5	6.5	7.9	7.6	6.9	7.0	10.3	6.9
6	9.4	9.6	12.3	12.9	12.2	10.3	10.4	11.3	11.1	8.7	4.8	2.3	4.9	6.8	8.7	10.3	7.1	4.4	3.7	2.0	5.8	7.2	6.1	6.8	7.9
7	7.1	6.5	6.7	7.2	6.5	6.6	5.9	6.3	8.4	9.8	9.8	9.7	11.9	11.9	12.1	12.0	8.5	8.9	9.9	8.7	7.1	8.9	7.3	5.8	8.5
8	6.2	5.5	5.0	6.5	4.7	3.3	3.5	3.6	3.0	2.3	2.4	3.5	4.9	4.1	4.2	7.7	7.9	4.9	3.9	3.8	2.3	2.8	3.5	1.9	4.2
9	1.9	1.8	2.5	2.0	3.3	3.0	3.5	3.6	3.0	3.0	2.2	2.9	3.3	5.0	7.3	8.5	8.5	6.1	5.8	3.2	5.7	5.7	2.5	2.8	4.0
10	2.7	3.9	5.2	5.1	6.0	5.0	5.8	6.7	8.7	12.9	15.9	14.9	15.4	13.2	12.0	12.0	8.6	5.9	4.7	4.9	9.5	9.9	9.5	7.1	8.6
11	5.2	4.4	1.6	1.1	3.0	2.9	2.6	3.0	3.7	3.8	3.7	4.2	4.6	5.6	6.5	5.5	6.9	9.4	10.3	8.4	8.1	6.3	6.2	7.7	5.2
12	6.7	3.2	2.9	3.5	7.5	9.0	9.4	7.0	5.8	6.7	6.5	6.0	6.7	7.3	7.2	8.8	4.9	4.0	7.1	5.4	9.3	5.7	6.2	5.5	6.3
13	6.1	6.8	6.5	4.8	8.1	7.1	6.9	9.2	7.8	6.8	7.4	10.9	11.9	11.8	12.3	10.5	10.1	9.2	6.2	6.8	8.3	8.9	8.5	7.8	8.4
14	8.0	6.4	4.8	3.5	5.1	3.9	2.6	2.7	1.7	2.8	1.9	1.5	3.7	4.1	5.1	7.5	8.8	5.2	5.9	4.1	6.0	5.9	4.6	7.3	4.7
15	6.5	12.3	16.5	19.0	18.0	18.4	15.1	14.1	13.2	15.3	13.5	9.9	8.6	8.2	7.5	7.4	7.5	5.3	4.3	3.7	2.6	2.8	3.6	2.9	9.8
16	4.8	4.3	4.2	2.3	4.7	4.7	3.6	3.8	2.8	2.4	3.2	4.8	4.9	6.4	7.9	7.1	6.2	7.6	5.7	5.7	5.6	4.5	5.6	5.2	4.9
17	7.5	5.6	4.3	3.7	4.2	6.0	5.5	5.4	2.8	3.0	6.5	5.1	4.6	5.1	4.6	3.3	3.1	3.6	4.6	5.9	5.6	5.3	5.5	5.9	4.9
18	6.0	4.3	3.5	4.3	4.4	2.5	6.3	9.1	9.4	6.7	4.6	6.1	7.9	8.7	9.2	8.4	7.3	6.4	4.6	5.2	7.8	5.1	5.3	5.6	6.2
19	4.9	11.1	4.7	6.6	7.6	6.0	3.3	2.6	4.6	2.5	2.8	10.3	17.3	10.1	10.9	9.6	9.2	6.6	7.9	7.7	7.7	8.0	9.5	10.0	7.6
20	9.3	14.9	12.4	8.9	6.6	6.7	7.4	4.9	5.9	11.4	13.2	11.6	11.8	17.5	16.3	10.4	18.9	13.1	6.9	4.7	4.1	6.3	11.2	8.7	10.1
21	10.0	13.2	16.2	15.7	14.3	12.9	20.9	17.7	22.2	25.2	23.8	24.0	27.6	26.4	24.6	20.5	20.2	15.5	13.6	16.2	10.6	11.7	10.8	6.3	17.5
22	6.9	16.7	17.4	6.8	4.1	4.8	5.9	4.8	3.7	13.5	12.0	25.7	24.4	25.7	18.8	15.2	14.7	7.0	7.0	4.6	5.8	8.0	8.7	7.3	11.2
23	5.2	6.1	7.3	6.4	6.6	7.6	7.4	4.7	5.3	4.5	3.3	2.8	3.5	5.6	11.0	13.3	12.6	8.4	6.6	4.6	5.4	3.7	2.9	3.1	6.2
24	2.5	3.4	2.9	3.6	2.6	2.2	2.7	3.3	2.1	5.5	4.5	5.2	5.9	6.9	8.0	10.4	9.3	9.3	9.0	5.8	4.4	2.8	2.0	1.4	4.8
25	3.4	1.5	5.4	2.4	2.8	4.1	6.8	9.3	6.2	6.9	10.0	6.0	6.6	4.6	4.5	5.0	4.2	6.6	5.7	10.5	11.0	9.0	6.4	5.3	6.0
26	4.6	4.8	3.6	4.3	4.4	4.3	5.2	4.3	3.1	3.7	6.1	5.1	3.2	3.4	3.5	6.2	7.0	4.8	5.2	3.5	3.4	6.2	2.8	2.7	4.4
27	4.7	3.7	4.5	4.5	3.9	3.6	4.6	4.0	6.5	4.6	3.7	3.1	3.0	5.0	6.1	7.3	7.1	8.1	9.9	8.3	4.7	2.2	3.0	6.7	5.1
28	5.1	5.6	5.2	4.4	6.4	5.4	6.5	6.6	8.7	6.2	2.7	2.2	5.8	6.3	10.1	12.2	10.1	8.0	8.4	7.5	7.3	6.4	3.8	3.1	6.4
HOURLY																									
MEAN	5.8	6.7	6.7	6.0	6.2	6.0	6.3	6.3	6.3	7.1	7.1	7.4	8.3	8.6	8.7	9.0	8.7	6.9	6.9	6.2	6.4	6.2	5.9	5.7	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	9.6	15.6	9.3	8.1	11.7	12.9	12.1	7.9	8.5	15.9	10.3	9.4	12.3	8.8	19.0	7.9	7.5	9.4	17.3	18.9	27.6	25.7	13.3	10.4	11.0
MIN	1.8	4.7	1.5	2.3	1.2	2.0	5.8	1.9	1.8	2.7	1.1	2.9	4.8	1.5	2.6	2.3	2.8	2.5	2.5	4.1	6.3	3.7	2.8	1.4	1.5

DAY	26	27	28	29	30	31
MAX	7.0	9.9	12.2	***	***	***
MIN	2.7	2.2	2.2	***	***	***

MONTHLY AVERAGE = 6.9    MONTHLY MAXIMUM = 27.6    MONTHLY MINIMUM = 1.1  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 672    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMP  
SITE 4 FROM : 2/ 1/1993 TO : 2/28/1993

WIND DIRECTION (DEGREES)  
FEBRUARY - 1993

HOUR																								
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	183	182	181	188	192	231	311	165	277	258	304	11	23	349	2	346	349	353	320	258	224	194	57	58
2	163	169	167	163	147	149	186	200	200	313	349	9	44	75	131	283	274	117	81	103	107	144	127	113
3	139	93	76	93	151	160	166	146	116	46	17	18	23	47	62	68	100	151	155	165	259	248	67	47
4	31	26	35	351	15	80	115	112	117	110	139	103	85	84	80	89	56	100	137	145	153	180	174	193
5	192	190	182	194	199	197	191	192	202	213	203	193	114	53	35	360	87	138	160	188	190	190	192	194
6	189	187	194	193	199	192	193	200	203	203	201	162	30	25	14	359	35	48	58	254	240	204	186	211
7	203	196	187	195	186	188	182	175	200	201	206	181	158	140	143	139	137	113	126	137	138	114	142	147
8	133	136	146	138	151	177	192	200	216	273	283	325	357	345	8	354	24	42	61	71	128	301	3	38
9	221	284	314	183	156	173	171	182	234	259	279	21	41	34	28	60	90	50	7	24	341	333	310	313
10	307	330	2	12	17	15	7	351	339	350	353	349	12	25	18	10	26	40	53	56	65	65	49	34
11	15	339	347	134	166	171	171	167	174	180	139	129	124	120	108	125	128	139	143	132	153	175	183	153
12	165	278	267	214	190	195	174	185	184	155	142	140	140	139	49	350	53	153	37	130	253	314	314	143
13	180	176	182	238	275	243	107	133	130	136	123	118	112	107	97	73	84	112	115	147	168	169	165	159
14	193	229	257	273	257	289	281	221	236	325	343	98	39	17	12	7	7	28	328	350	358	346	336	330
15	333	339	352	21	25	17	1	0	6	15	24	34	47	42	48	66	65	67	61	52	55	47	59	58
16	64	49	35	36	16	3	1	7	20	83	72	62	68	54	59	74	88	97	80	102	137	105	113	144
17	148	154	181	169	161	154	157	160	149	53	15	12	14	8	26	54	81	73	72	82	137	179	190	200
18	239	91	146	83	349	145	195	211	202	192	197	150	134	122	118	132	141	132	184	168	191	50	137	103
19	167	180	190	74	162	148	92	98	63	83	196	274	281	297	278	266	248	181	175	219	219	188	208	212
20	189	204	205	207	342	80	138	214	190	169	150	129	145	257	339	357	259	256	253	249	272	228	260	342
21	112	235	270	261	241	263	272	279	283	276	287	292	269	292	286	291	279	299	284	277	269	280	271	206
22	248	264	275	302	220	206	178	184	166	276	263	270	307	290	285	262	267	270	320	332	61	95	110	140
23	164	168	169	175	129	117	106	170	250	299	352	55	358	15	30	19	359	355	330	311	294	281	292	6
24	344	329	8	1	32	47	331	311	335	6	5	8	354	16	358	31	43	22	48	66	46	69	46	85
25	22	31	33	52	49	359	29	41	61	82	69	72	75	72	73	84	75	37	75	96	105	110	108	88
26	49	37	19	16	14	17	24	12	12	351	347	14	46	75	76	106	99	91	106	115	139	117	97	141
27	219	328	331	301	282	290	272	224	218	254	262	238	189	159	146	139	106	51	22	340	334	269	215	200
28	189	180	200	233	194	177	189	189	192	211	271	58	62	76	55	49	48	23	17	340	348	4	10	288

TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 672      VALID DATA RECOVERY RATE = 100.0%      OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING      CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 2/ 1/1993 TO : 2/28/1993

SIGMA THETA (DEGREES)  
FEBRUARY - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	18	12	6	8	54	36	29	59	52	17	30	38	19	17	19	17	11	24	11	25	19	32	61	24	27
2	23	8	19	6	7	7	23	13	6	51	12	19	10	21	39	54	30	33	13	8	30	6	13	12	19
3	12	29	6	12	13	24	13	10	22	22	11	12	10	15	12	11	11	24	30	47	9	11	18	10	16
4	12	5	13	18	25	12	17	15	6	8	19	33	12	23	23	23	19	16	4	4	8	18	9	14	15
5	5	6	6	27	10	6	3	3	6	7	9	10	55	47	56	23	48	6	12	5	5	6	8	5	16
6	4	4	5	3	5	3	4	3	4	7	17	40	33	12	15	13	18	18	30	26	13	4	6	15	13
7	11	9	7	6	7	10	6	10	5	8	7	14	12	11	10	6	4	12	10	4	9	6	16	19	9
8	14	12	8	15	4	13	9	13	13	26	22	23	20	23	28	16	6	9	12	19	15	48	38	22	18
9	25	42	16	13	7	15	23	19	16	11	50	39	33	24	15	18	6	17	13	30	12	5	22	7	20
10	5	15	14	6	9	4	8	10	4	12	11	11	12	6	6	5	10	7	11	7	5	6	10	5	8
11	14	8	23	23	8	4	8	7	7	8	20	7	6	7	5	7	7	5	3	4	11	15	10	7	9
12	36	60	30	39	14	15	12	14	25	11	10	6	6	5	70	14	27	39	21	26	32	25	58	47	27
13	38	9	28	24	26	66	11	5	6	7	13	5	5	4	9	7	12	11	44	24	7	3	14	6	16
14	8	23	22	35	20	10	48	9	38	25	25	30	22	11	13	12	8	11	9	18	15	8	16	6	18
15	5	3	12	5	4	4	11	11	8	8	7	11	14	11	13	6	6	3	6	12	15	10	7	6	8
16	12	15	31	36	14	13	13	17	18	16	17	15	17	14	12	8	6	14	9	18	8	32	22	11	16
17	5	6	12	6	8	6	6	7	28	43	7	13	23	25	18	27	15	11	16	12	25	10	11	16	15
18	60	31	33	32	35	58	23	9	10	17	17	18	8	11	10	4	7	9	52	33	23	77	53	28	27
19	41	16	57	39	10	58	54	39	17	31	47	12	7	7	15	9	6	18	9	12	8	10	16	12	23
20	8	4	11	50	12	25	18	42	21	9	10	11	24	46	16	56	9	6	19	25	29	42	28	52	24
21	21	26	14	6	4	17	8	7	7	8	6	7	9	11	9	12	6	9	16	7	11	8	6	47	12
22	25	9	4	18	30	41	18	21	43	24	17	14	12	9	13	9	7	16	26	50	15	10	7	14	19
23	10	7	5	8	13	12	7	33	21	19	52	65	45	46	18	8	14	13	6	9	7	10	25	21	20
24	16	8	20	18	34	23	33	26	26	21	26	31	17	16	17	12	9	8	15	15	29	19	18	31	20
25	15	55	10	18	29	21	8	11	13	11	10	15	14	15	15	18	26	14	14	7	4	5	7	14	15
26	13	10	11	10	10	16	15	24	39	25	18	32	55	41	32	20	10	12	12	21	6	11	49	30	22
27	62	19	15	14	11	14	14	17	8	27	27	51	49	22	22	15	14	16	15	4	22	18	36	4	22
28	6	4	16	15	13	5	8	5	7	13	45	69	23	30	15	9	12	8	11	7	11	13	26	12	16
HOURLY MEAN	19	16	16	18	16	19	16	16	17	18	20	23	20	19	19	16	13	14	16	17	14	17	22	18	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	61	54	47	33	56	40	19	48	50	15	23	70	66	48	15	36	43	77	58	56	47	50	65	34	55
MIN	6	6	6	4	3	3	4	4	5	4	3	5	3	6	3	6	5	4	6	4	4	4	5	8	4

  

DAY	26	27	28	29	30	31
MAX	55	62	69	***	***	***
MIN	6	4	4	***	***	***

MONTHLY AVERAGE = 17.5    MONTHLY MAXIMUM = 77.0    MONTHLY MINIMUM = 2.6  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 672    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMP  
SITE 4 FROM : 2/ 1/1993 TO : 2/28/1993

TEMPERATURE (DEGREES F)  
FEBRUARY - 1993

HOURLY																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	33.1	32.5	33.0	33.1	30.8	30.6	26.3	26.8	29.4	32.9	35.9	39.0	39.6	39.1	38.1	37.6	34.5	30.9	30.1	30.0	31.2	33.2	33.4	32.4	33.1
2	31.8	29.0	26.9	26.6	26.0	24.1	27.1	29.6	33.5	37.3	34.0	36.2	38.6	38.3	40.0	41.8	42.5	36.5	34.8	33.5	32.0	30.5	30.8	31.3	33.0
3	31.0	30.0	27.5	27.3	26.9	27.1	27.1	27.1	28.0	28.1	28.6	29.5	29.7	30.4	30.9	29.6	28.5	28.4	27.9	27.4	27.3	27.5	27.3	26.8	28.3
4	26.6	26.4	26.3	26.1	26.0	25.5	25.2	25.4	25.8	27.5	30.2	32.8	32.4	31.8	33.0	32.8	30.7	27.9	25.0	21.5	21.4	23.1	22.9	22.4	27.0
5	22.4	22.3	23.1	21.7	21.0	21.3	22.1	23.3	27.0	32.8	37.8	42.4	46.3	47.7	49.3	48.6	48.6	44.5	42.0	40.5	36.3	33.2	31.5	30.5	34.0
6	32.0	32.5	31.9	31.5	30.5	29.9	29.8	30.5	34.5	40.5	46.0	51.4	52.3	51.3	50.2	47.3	44.5	39.5	37.9	37.0	37.6	37.5	34.9	33.6	38.5
7	33.5	33.4	32.5	33.0	34.0	34.1	34.3	33.8	35.1	40.0	44.3	47.9	49.5	49.9	49.5	48.8	46.1	40.8	38.2	38.9	37.4	36.0	36.0	34.7	39.2
8	35.1	34.5	33.9	33.5	32.7	32.3	32.0	31.8	33.0	36.0	37.4	38.6	39.1	40.3	42.7	41.1	38.2	36.7	34.8	33.6	34.3	32.9	32.4	31.7	35.4
9	31.2	31.3	31.3	30.7	30.7	31.0	31.1	31.7	33.3	35.1	40.0	42.5	44.3	45.7	45.4	43.2	40.9	38.4	35.8	35.7	35.2	32.4	31.9	31.8	35.9
10	31.6	31.6	31.2	30.5	28.8	27.6	26.9	26.3	25.7	25.2	24.9	24.4	23.6	22.9	22.5	21.6	20.6	19.4	18.9	18.7	17.3	15.4	14.8	14.1	23.5
11	13.6	13.0	12.7	12.4	12.0	12.4	13.4	14.4	16.6	19.9	23.0	23.7	25.2	26.3	26.2	26.8	25.0	21.3	18.2	15.4	16.0	19.0	20.7	18.8	18.6
12	18.7	16.9	17.5	18.2	18.5	21.0	22.4	22.3	26.5	31.1	35.7	38.9	40.9	41.5	39.6	31.5	31.9	31.3	27.4	26.5	31.9	33.8	32.4	32.2	28.7
13	29.9	28.4	25.9	27.5	29.9	29.1	29.3	22.4	24.0	29.1	31.8	33.8	35.2	35.9	34.9	33.2	30.9	29.0	29.1	27.2	27.1	26.5	24.1	22.1	29.0
14	23.2	23.1	23.1	22.6	21.9	20.6	19.4	20.4	22.8	24.8	27.4	31.0	30.8	29.7	29.5	27.9	25.9	23.4	21.7	21.0	20.5	19.8	19.9	20.9	23.8
15	21.3	21.3	19.4	15.1	11.5	8.8	7.2	6.1	5.8	5.0	5.3	6.3	7.5	7.4	6.8	4.8	3.0	1.7	1.4	1.1	.8	.4	.3	-.6	7.0
16	-2.6	-5.0	-7.4	-8.2	-8.7	-8.6	-7.4	-6.4	-4.3	-2.7	.2	2.4	3.2	4.1	2.9	1.6	-.0	-1.7	-4.2	-5.6	-6.4	-5.8	-6.3	-6.6	-3.5
17	-7.5	-5.9	-6.0	-4.6	-5.6	-6.9	-7.5	-6.0	-.9	2.9	2.4	5.1	7.5	8.2	9.3	9.6	8.3	6.9	5.4	2.5	.9	3.1	5.0	6.3	1.4
18	5.7	5.0	7.1	8.0	3.6	3.0	4.7	9.4	15.1	25.0	32.6	42.6	46.1	47.2	46.9	45.8	44.1	41.5	40.0	41.5	40.7	38.2	38.5	39.7	28.0
19	40.5	42.8	40.4	41.1	42.5	37.0	36.7	42.3	44.3	48.9	53.4	56.7	55.1	53.2	51.9	53.8	52.5	51.6	49.5	47.5	45.8	44.3	43.6	42.6	46.6
20	43.3	44.6	44.9	44.4	39.3	38.7	41.4	42.3	41.5	46.8	49.0	48.9	53.1	54.0	46.6	50.2	51.2	47.5	44.8	43.8	43.5	41.2	40.2	37.6	44.9
21	32.6	34.3	33.2	32.4	31.8	31.9	31.9	31.6	33.0	34.4	35.0	35.6	36.8	36.2	35.5	35.7	34.6	32.2	31.0	31.0	29.5	29.8	28.9	27.5	32.8
22	28.1	29.7	29.5	28.0	28.0	28.0	25.0	26.5	31.8	35.7	37.7	38.9	37.6	37.4	36.4	36.8	36.7	33.8	32.3	31.2	27.4	23.1	22.0	20.8	30.9
23	20.9	20.9	20.5	20.1	19.4	20.9	19.4	19.9	22.9	25.5	28.7	33.0	34.9	36.4	35.9	32.4	29.3	28.1	27.5	27.4	27.2	26.8	26.7	25.9	26.3
24	25.4	24.8	23.9	23.3	22.9	23.4	23.9	24.3	25.2	25.3	26.0	26.0	26.1	26.2	25.6	24.4	23.5	21.4	20.1	19.6	19.6	18.8	18.7	18.6	23.2
25	18.4	18.5	17.8	17.3	17.8	18.0	17.4	16.5	17.0	17.9	18.4	19.5	20.4	21.3	22.0	23.0	23.0	22.2	21.5	20.7	20.0	20.7	21.3	21.0	19.6
26	20.9	20.8	20.5	20.3	20.2	20.2	19.8	20.4	22.1	23.3	22.9	24.0	26.8	30.0	32.3	33.0	33.1	31.7	30.7	30.2	29.7	28.3	26.3	27.7	25.6
27	25.0	23.2	22.0	20.8	20.7	20.9	20.6	21.8	25.0	29.1	33.2	37.4	40.4	43.6	45.9	47.1	46.7	42.2	31.4	27.8	28.0	28.0	28.1	28.6	30.7
28	29.2	28.9	29.8	27.3	28.3	27.9	27.6	29.7	34.1	40.5	46.6	50.3	51.0	51.7	51.5	49.5	46.3	40.9	37.5	36.2	35.1	33.9	33.0	31.8	37.4
HOURLY																									
MEAN	24.8	24.6	24.0	23.6	22.9	22.5	22.4	23.0	25.3	28.5	31.0	33.5	34.8	35.3	35.1	34.3	32.9	30.3	28.2	27.2	26.7	26.1	25.7	25.1	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	39.6	42.5	31.0	33.0	49.3	52.3	49.9	42.7	45.7	31.6	26.8	41.5	35.9	31.0	21.3	4.1	9.6	47.2	56.7	54.0	36.8	38.9	36.4	26.2	23.0
MIN	26.3	24.1	26.8	21.4	21.0	29.8	32.5	31.7	30.7	14.1	12.0	16.9	22.1	19.4	-.6	-8.7	-7.5	3.0	36.7	37.6	27.5	20.8	19.4	18.6	16.5
DAY 26 27 28 29 30 31																									
MAX	33.1	47.1	51.7	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
MIN	19.8	20.6	27.3	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***

MONTHLY AVERAGE = 27.8    MONTHLY MAXIMUM = 56.7    MONTHLY MINIMUM = -8.7  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 672    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMP  
SITE 4 FROM : 2/ 1/1993 TO : 2/28/1993

BAROMETRIC PRESSURE (INCHES)  
FEBRUARY - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8
2	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.7
3	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.0	25.0	25.0	24.9	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.9
4	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
5	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.0	25.0	25.0	25.0
6	25.0	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9
7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8
8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7
9	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.5
10	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.7
11	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
12	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8
13	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
14	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7
15	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.7
16	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.8
17	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
18	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7
19	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
20	24.4	24.4	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.2	24.2	24.2	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.2	24.2	24.2	24.2	24.2	24.2
21	24.3	24.3	24.3	24.3	24.3	24.4	24.4	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.5
22	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
23	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7
24	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.5	24.5	24.5	24.5	24.5
25	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.7
26	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.8
27	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
28	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8
HOURLY																									
MEAN	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	24.9	24.8	25.0	25.0	25.0	25.0	24.8	24.8	24.6	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.5	24.4	24.6	24.8	24.8	24.6	24.8
MIN	24.7	24.7	24.8	25.0	24.9	24.8	24.7	24.6	24.5	24.6	24.7	24.6	24.8	24.6	24.6	24.8	24.9	24.6	24.4	24.1	24.3	24.6	24.6	24.4	24.5
DAY 26 27 28 29 30 31																									
MAX	24.9	24.9	24.8	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
MIN	24.8	24.8	24.7	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***

MONTHLY AVERAGE = 24.7    MONTHLY MAXIMUM = 25.0    MONTHLY MINIMUM = 24.1  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 672    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMP  
SITE 4 FROM : 2/ 1/1993 TO : 2/28/1993

PRECIPITATION (.01 INCHES)  
FEBRUARY - 1993

DAY	HOUR																								DAILY TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	2	1	6
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	4	7
10	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6
11	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MONTHLY TOTAL (INCHES)= .26 MONTHLY MAXIMUM (INCHES)= .04  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 672 VALID DATA RECOVERY RATE = 100.0% OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING CAL IS CALIBRATION CODE



ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 1 FROM : 2/ 1/1993 TO : 2/28/1993

RELATIVE HUMIDITY (PERCENT)  
FEBRUARY - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	57.3	60.9	61.7	62.1	71.0	81.3	94.5	94.6	92.0	78.3	63.2	57.0	57.0	61.1	65.2	69.6	77.0	91.5	95.3	95.6	93.5	96.7	98.1	99.4	78.1
2	99.7	97.4	96.1	96.6	97.4	95.0	82.6	70.0	64.6	61.5	81.3	73.9	64.5	61.5	53.0	37.2	27.2	54.6	71.3	82.6	90.0	95.9	96.9	96.8	77.0
3	97.2	97.8	100.0	100.5	100.6	100.4	99.9	99.2	99.3	100.0	100.3	99.9	98.8	96.2	93.2	94.4	97.3	97.4	98.4	100.2	100.6	100.9	101.1	101.3	99.0
4	101.4	101.5	101.5	101.6	101.7	101.7	101.7	101.7	101.5	100.7	98.8	90.7	75.2	75.2	73.7	72.5	73.4	80.8	86.2	92.7	94.3	94.3	94.0	93.8	92.1
5	92.7	91.2	85.5	85.3	84.4	83.4	83.1	81.2	73.1	56.3	44.8	34.2	24.7	23.2	20.9	18.8	17.8	19.4	23.2	29.9	42.9	48.5	52.3	56.0	53.0
6	51.1	46.0	45.4	45.2	44.9	45.4	42.3	43.3	37.3	23.7	19.3	17.6	18.6	18.9	19.9	22.4	29.4	42.7	45.5	45.8	43.9	45.1	51.2	54.3	37.5
7	53.0	49.7	50.0	49.4	47.8	45.8	45.3	44.7	47.4	41.6	27.9	19.4	18.2	18.2	18.6	18.9	20.6	41.5	49.9	42.4	44.6	47.1	47.0	53.8	39.3
8	57.2	63.5	72.0	66.1	68.3	76.0	72.1	73.2	78.8	75.5	65.2	59.9	57.5	57.6	53.8	56.7	71.0	78.6	89.4	97.3	97.5	97.4	99.8	99.0	74.3
9	98.7	98.2	98.4	97.8	96.8	96.9	96.5	96.8	96.5	97.3	82.1	61.2	58.2	55.7	55.1	59.3	72.9	77.4	88.9	93.3	93.3	99.3	100.6	100.9	86.3
10	101.1	101.1	101.2	101.4	101.8	102.1	102.2	102.2	102.0	101.6	101.1	100.8	100.4	99.8	98.8	96.9	96.7	98.0	99.0	99.6	99.9	99.7	99.6	99.7	100.3
11	99.7	99.7	99.6	99.6	99.6	99.5	99.6	99.6	99.5	99.1	98.2	96.5	93.4	87.9	77.9	75.7	76.9	80.2	85.5	88.4	89.3	86.4	90.3	90.0	92.2
12	92.7	96.7	99.3	100.7	99.7	90.9	79.3	71.0	63.1	56.6	49.7	49.9	51.5	60.5	77.8	79.1	76.0	83.8	82.6	53.2	36.1	32.0	35.0	70.6	
13	32.0	34.7	50.7	42.6	29.3	30.5	35.0	45.0	47.5	46.4	45.4	43.7	45.7	47.2	47.0	47.6	50.3	54.5	58.6	59.2	75.1	80.2	88.0	90.2	51.1
14	90.0	91.1	89.8	89.3	90.3	91.7	91.6	89.9	85.6	65.2	62.9	60.3	62.1	67.3	67.4	74.0	79.4	88.4	94.2	96.8	98.9	100.6	101.1	101.0	84.5
15	100.7	100.8	100.8	100.3	99.6	99.0	98.5	98.0	97.2	95.8	91.1	84.8	79.9	77.3	73.3	74.1	77.5	84.2	89.2	92.2	94.2	95.0	95.5	95.4	91.4
16	94.7	93.3	92.1	91.6	91.0	91.0	91.8	92.2	92.5	92.9	93.1	92.2	89.4	84.8	82.1	78.7	78.5	81.4	85.4	88.5	89.5	88.8	88.2	87.9	88.8
17	88.0	90.0	90.6	92.2	92.8	92.5	92.4	91.0	85.5	73.8	74.0	73.1	71.4	68.0	69.1	67.5	64.2	67.1	72.0	82.0	86.3	89.8	89.3	90.1	81.4
18	91.4	94.6	94.4	93.8	92.6	95.7	94.8	94.5	92.4	77.0	61.8	50.1	42.2	35.0	31.3	40.2	44.9	49.8	61.1	55.7	50.1	58.7	53.2	45.5	66.7
19	45.2	45.5	46.4	45.9	46.6	57.4	64.2	59.5	57.1	50.6	41.5	29.2	31.7	35.2	36.5	38.3	40.5	39.7	41.6	45.7	46.7	46.4	46.3	46.5	45.2
20	47.4	50.1	59.9	60.4	71.7	84.8	74.5	73.1	83.3	68.7	61.3	62.2	49.1	40.2	67.3	47.8	21.7	26.5	22.1	23.2	23.1	23.4	25.3	37.2	50.2
21	80.2	43.6	36.6	28.5	28.8	27.9	27.4	29.7	25.9	22.9	23.2	23.5	22.6	23.6	23.0	21.5	22.1	24.9	28.0	29.3	30.2	29.2	30.4	31.8	29.8
22	31.3	25.8	25.6	26.9	26.6	25.2	33.4	36.3	29.2	23.3	21.5	20.7	24.1	26.1	27.4	28.6	26.1	30.1	32.7	35.4	45.0	66.1	66.4	67.9	33.4
23	69.4	67.0	66.3	68.4	71.4	68.6	71.7	79.6	80.2	70.4	61.6	53.6	50.8	50.6	50.5	62.3	70.9	74.7	80.9	82.9	82.9	82.0	82.8	92.7	70.5
24	95.9	97.3	99.8	100.8	101.1	101.0	100.5	99.2	97.5	97.1	96.9	97.2	97.1	96.4	96.7	98.5	99.4	100.3	100.7	100.7	100.3	100.4	100.6	99.0	
25	100.6	100.6	100.5	100.4	100.4	100.5	100.4	100.1	99.9	99.4	98.5	96.6	93.0	90.1	90.3	88.8	88.8	90.6	92.3	94.2	94.4	95.6	97.5	97.5	96.3
26	97.2	97.5	98.1	98.9	99.6	100.1	100.3	100.5	99.5	98.0	96.3	93.8	90.5	78.6	66.6	58.1	52.0	60.3	65.5	71.2	72.8	77.7	91.4	98.0	85.9
27	98.9	100.3	100.5	100.0	99.7	99.3	99.1	98.6	94.5	81.0	67.5	53.8	47.3	40.1	35.5	34.9	38.2	52.5	88.3	96.4	96.4	96.7	96.1	95.6	79.6
28	94.3	94.9	95.6	97.4	96.8	93.8	92.0	91.9	80.8	55.1	36.1	29.8	29.0	31.0	34.7	42.9	52.8	61.6	70.7	75.2	83.9	92.3	92.8	95.0	71.7
HOURLY																									
MEAN	80.7	79.7	80.7	80.1	80.4	81.3	81.0	80.8	79.0	72.0	66.8	61.6	58.6	57.1	56.8	57.3	58.8	65.2	71.4	74.3	75.5	77.5	78.8	80.5	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	99.4	99.7	101.3	101.7	92.7	54.3	53.8	99.8	100.9	102.2	99.7	100.7	90.2	101.1	100.8	94.7	92.8	95.7	64.2	84.8	80.2	67.9	92.7	101.1	100.6
MIN	57.0	27.2	93.2	72.5	17.8	17.6	18.2	53.8	55.1	96.7	75.7	32.0	29.3	60.3	73.3	78.5	64.2	31.3	29.2	21.7	21.5	20.7	50.5	95.9	88.8
DAY	26	27	28	29	30	31																			
MAX	100.5	100.5	97.4	***	***	***																			
MIN	52.0	34.9	29.0	***	***	***																			

MONTHLY AVERAGE = 72.3    MONTHLY MAXIMUM = 102.2    MONTHLY MINIMUM = 17.6  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 672    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 1 FROM : 2/ 1/1993 TO : 2/28/1993

MAXIMUM WIND SPEED (MPH)  
FEBRUARY - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	9.9	8.8	8.5	7.7	6.7	6.7	6.7	4.0	5.1	5.6	7.4	9.2	12.1	14.8	12.2	10.4	11.9	9.1	8.7	7.4	10.5	13.3	14.9	5.9	9.1
2	9.6	10.2	11.2	12.6	9.4	10.6	9.5	12.3	11.9	15.5	13.9	11.4	13.3	12.6	15.6	28.0	24.5	16.9	19.7	15.5	15.5	9.2	10.1	9.8	13.7
3	6.6	16.6	15.2	8.2	8.2	7.6	8.5	7.1	5.3	12.8	13.9	11.0	11.4	11.9	11.6	13.3	9.9	6.0	6.3	4.0	4.5	4.5	7.1	8.8	9.2
4	6.7	6.3	3.9	3.2	3.0	4.2	4.2	3.8	7.4	9.4	9.9	6.5	10.2	11.6	8.6	7.0	7.1	8.1	9.4	11.0	10.7	10.3	9.9	10.9	7.6
5	12.0	12.4	9.1	9.7	9.3	11.4	12.7	15.1	15.6	13.6	12.3	10.2	7.5	6.0	5.0	6.5	2.9	5.0	9.6	12.2	13.1	12.6	14.4	14.0	10.5
6	16.5	17.9	14.1	16.3	15.4	12.8	15.0	12.3	14.3	13.6	7.9	6.5	9.5	11.1	13.9	13.6	10.1	4.5	4.6	6.2	7.5	10.2	10.6	9.7	11.4
7	11.0	11.4	11.5	10.1	11.8	10.9	10.4	10.8	10.8	13.1	13.4	15.5	17.0	16.5	17.9	18.0	15.0	11.0	14.4	13.2	9.9	11.8	13.0	8.3	12.8
8	8.6	8.0	8.3	10.8	7.9	6.0	9.2	6.7	5.1	3.9	5.0	7.2	8.1	8.4	8.8	13.1	11.7	6.8	5.2	4.9	5.4	6.4	4.5	3.0	7.2
9	4.9	3.6	2.7	4.5	4.1	4.9	6.2	6.3	5.5	5.7	5.2	8.6	8.3	9.8	10.8	12.6	12.1	8.0	7.2	4.1	9.3	8.4	4.0	4.8	6.7
10	4.0	7.6	7.6	7.3	9.6	7.3	8.6	9.2	12.9	15.9	17.7	18.7	18.5	17.2	17.1	17.5	11.1	8.9	5.7	8.4	13.9	14.4	15.1	9.3	11.8
11	6.7	7.2	3.9	3.5	4.4	4.5	4.2	5.5	6.4	6.4	6.5	5.9	5.9	8.9	9.1	10.3	9.8	10.8	12.9	14.0	11.2	9.7	12.1	10.2	7.9
12	11.5	7.9	6.3	8.4	15.5	17.1	13.2	17.7	11.9	11.6	12.4	10.9	11.5	7.6	17.9	12.7	7.3	12.7	9.8	9.4	20.4	11.5	9.8	11.9	12.0
13	12.2	13.1	9.8	12.1	18.7	17.7	10.8	14.7	13.9	11.7	12.1	16.4	15.6	15.8	17.4	16.7	17.5	11.7	12.1	12.1	11.4	11.0	11.4	9.2	13.5
14	12.6	8.6	6.7	8.7	8.6	5.6	4.1	4.3	4.2	5.1	5.6	3.4	7.9	7.0	8.3	9.9	9.7	6.4	7.8	4.7	6.4	5.9	8.8	9.9	7.1
15	8.9	17.8	22.0	24.7	21.5	22.7	20.7	17.2	18.6	21.9	17.9	13.2	13.3	13.6	11.0	10.7	10.7	7.8	6.4	4.7	3.7	3.9	5.4	5.0	13.5
16	6.2	6.2	7.6	3.7	6.0	4.5	5.9	5.6	4.5	5.3	6.9	8.9	8.9	11.7	10.7	9.8	8.7	12.6	7.6	7.7	9.2	6.5	9.9	10.2	7.7
17	10.3	9.1	6.7	7.6	8.2	9.2	8.8	8.6	4.1	7.5	8.8	8.1	8.5	8.8	8.5	6.5	7.4	5.8	8.6	9.0	8.3	9.6	8.3	7.7	8.1
18	11.8	7.8	7.7	7.5	9.0	6.2	11.6	12.3	13.1	13.9	9.0	12.8	12.5	13.4	12.6	14.2	13.3	11.6	10.1	14.5	13.8	9.7	9.1	12.7	11.2
19	12.9	13.1	8.7	12.6	10.9	8.7	10.3	9.6	7.8	6.1	7.4	28.9	28.1	17.8	22.6	16.5	14.9	10.9	11.0	12.6	10.0	12.1	10.6	13.0	13.2
20	12.3	15.3	12.7	19.3	10.3	11.1	14.2	8.6	9.3	18.0	18.8	17.1	21.1	31.3	30.5	24.5	25.6	18.0	11.3	12.2	11.1	11.4	21.2	18.8	16.8
21	25.0	29.3	26.1	22.3	17.2	17.2	35.5	27.8	30.9	34.5	35.0	34.6	40.4	38.5	39.2	28.5	29.9	20.9	22.3	25.2	20.1	19.3	26.1	20.5	27.8
22	14.8	27.2	30.2	12.6	9.5	9.9	12.9	9.6	17.6	24.9	26.4	39.8	33.2	33.6	28.6	25.1	19.0	11.1	12.7	8.2	14.1	12.3	13.2	13.3	19.2
23	7.5	8.2	9.1	8.3	9.4	9.9	12.2	7.6	8.4	8.9	8.5	7.3	12.1	13.9	18.6	18.0	16.7	12.8	9.9	7.9	9.1	6.1	5.7	5.8	10.1
24	3.9	4.2	3.8	3.6	4.7	4.5	6.4	7.2	7.2	8.8	8.8	11.0	9.9	10.7	11.3	15.0	14.6	13.7	13.9	9.2	7.7	7.6	4.1	3.4	8.1
25	5.2	3.7	9.7	5.2	5.6	6.8	9.0	13.1	11.3	10.3	14.0	10.9	11.3	9.6	8.8	10.3	8.3	9.1	11.0	15.0	17.6	14.0	10.4	8.5	9.9
26	7.4	6.9	5.1	5.2	6.5	7.0	6.9	5.4	6.6	10.6	10.5	9.4	8.3	9.8	8.2	10.6	12.1	7.1	7.4	5.3	5.7	9.4	5.2	6.1	7.6
27	6.2	4.9	5.1	5.6	4.7	5.0	5.2	6.1	9.1	8.1	7.9	7.8	7.5	11.1	12.8	11.2	10.5	10.9	10.7	11.3	7.2	4.1	7.8	9.5	7.9
28	9.1	8.7	8.6	9.7	11.3	9.6	12.3	12.7	14.3	8.9	6.6	6.3	11.4	13.0	16.2	17.1	14.4	11.6	9.9	11.1	11.5	6.5	5.4	4.9	10.5
HOURLY																									
MEAN	9.8	10.8	10.1	9.7	9.6	9.3	10.5	10.0	10.5	11.8	11.8	12.8	13.7	14.1	14.8	14.5	13.1	10.3	10.2	10.0	10.7	9.7	10.3	9.5	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	14.9	28.0	16.6	11.6	15.6	17.9	18.0	13.1	12.6	18.7	14.0	20.4	18.7	12.6	24.7	12.6	10.3	14.5	28.9	31.3	40.4	39.8	18.6	15.0	17.6
MIN	4.0	9.2	4.0	3.0	2.9	4.5	8.3	3.0	2.7	4.0	3.5	6.3	9.2	3.4	3.7	3.7	4.1	6.2	6.1	8.6	17.2	8.2	5.7	3.4	3.7
DAY	26	27	28	29	30	31																			
MAX	12.1	12.8	17.1	***	***	***																			
MIN	5.1	4.1	4.9	***	***	***																			

MONTHLY AVERAGE = 11.1    MONTHLY MAXIMUM = 40.4    MONTHLY MINIMUM = 2.7  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 672    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 1 FROM : 2/ 1/1993 TO : 2/28/1993

10M-2M TEMPERATURE DIFFERENCE  
FEBRUARY - 1993

DAY	HOUR																								DAILY
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4.7	3.8	3.8	3.4	4.0	4.9	2.6	3.2	.1	-.3	-.6	-.9	-1.0	-1.3	-.8	-.6	.2	1.3	.9	1.2	1.7	.7	.6	1.7	1.4
2	6.1	3.5	2.8	3.1	3.3	2.7	4.6	2.9	.7	-.1	-.9	-1.0	-.7	-.4	-.0	.4	.8	.8	.4	.4	.6	1.5	1.2	.3	1.4
3	1.5	.9	.1	.0	.5	1.5	2.8	1.3	.0	-.1	-.4	-.4	-.2	-.3	-.2	-.1	.0	.1	.1	.0	.1	.1	.1	.1	.3
4	.2	.2	.3	.6	.8	.7	.2	.1	.0	.0	.1	.1	.2	.1	-.0	.0	.2	1.7	3.0	1.6	2.3	2.9	2.4	2.0	.8
5	1.2	1.3	3.0	3.6	3.0	2.1	1.8	.9	-.1	-.4	-.5	-.4	-.1	-.2	.0	-.5	.6	4.9	12.4	6.8	4.1	3.9	3.6	2.5	2.2
6	2.2	2.2	1.7	2.0	2.4	3.7	2.9	1.6	.0	-.3	-.2	-.4	-.7	-.7	-.7	-.5	.6	2.0	2.2	6.3	6.7	5.9	4.5	5.0	2.0
7	3.9	4.0	3.0	2.2	2.7	2.9	2.7	2.5	.3	-.4	-.5	-.7	-.6	-.5	-.4	-.1	1.2	2.1	1.1	1.3	2.4	2.4	3.2	3.6	1.6
8	3.5	3.6	2.8	2.3	2.2	2.1	2.4	1.4	.2	-.1	-.3	-.6	-.6	-.5	-.9	-.5	.0	.8	.9	1.3	3.0	2.6	2.2	2.3	1.2
9	3.6	3.3	1.6	4.7	4.6	2.9	3.1	2.9	.8	-.1	-.5	-.7	-.5	-1.0	-.7	-.3	.2	1.3	.7	.8	.9	.3	.2	.2	1.2
10	.2	.2	.2	.2	.1	.1	.1	.1	-.1	-.2	-.6	-.6	-.4	-.2	-.1	.0	.1	.1	.1	.1	.1	.1	.1	.1	.0
11	.1	.1	.1	.6	2.0	.5	.3	.6	.2	.2	.2	.4	.1	.3	.3	.4	1.5	4.0	3.0	2.0	2.4	3.9	5.2	6.7	1.4
12	6.5	6.1	5.8	6.7	6.3	5.2	4.6	4.1	2.8	1.8	.7	1.1	.6	.4	.0	-.3	.4	3.3	1.1	4.4	4.9	2.4	3.9	7.6	3.4
13	5.3	5.3	5.0	7.5	4.7	3.6	6.6	3.2	1.1	.4	.2	.2	.3	.4	.4	.3	.5	1.1	1.1	2.6	4.4	3.4	3.9	5.4	2.8
14	3.8	4.6	3.4	2.6	4.3	2.2	3.6	4.3	.7	-.4	-.4	-.1	-.2	-.5	-.7	-.2	.1	.9	1.7	1.3	1.1	1.1	.5	.1	1.4
15	.1	.1	.1	.1	.0	.1	.1	.0	-.1	-.1	-.1	-.1	-.2	-.1	.0	.0	.0	.1	.1	.2	.4	.9	.2	.9	.1
16	2.0	2.2	2.9	2.2	2.3	1.5	1.0	.0	-.0	.3	.2	-.0	-.2	-.1	.0	.2	.1	.2	.4	1.2	.4	.2	1.5	4.4	1.0
17	5.4	8.5	6.0	9.6	9.3	8.7	9.4	7.2	1.0	-.5	-.7	-.7	-.9	-.7	-.3	-.0	.2	.7	2.5	3.0	2.2	4.5	4.1	2.9	3.4
18	3.5	5.0	7.0	6.3	3.3	5.6	4.4	2.3	.1	-.0	.0	.7	1.7	1.3	1.3	1.2	2.7	3.7	3.9	7.2	4.4	4.0	4.5	4.6	3.3
19	4.7	3.2	5.4	6.5	7.1	4.6	5.1	5.5	3.1	1.5	.3	1.3	.9	1.1	1.9	1.0	1.5	6.4	7.6	5.8	5.8	5.6	4.7	6.2	4.0
20	4.9	3.0	2.5	2.2	2.1	1.7	2.1	2.1	.9	.3	.2	.2	.2	-.3	-.7	-.0	.9	2.5	3.5	3.2	3.4	4.2	2.0	1.7	1.8
21	.7	1.0	1.1	1.1	1.3	1.5	1.0	.4	-.1	-.5	-.9	-.9	-.9	-.9	-1.0	-.6	.0	.8	.9	.9	1.2	1.2	2.1	2.6	.5
22	1.9	1.5	1.0	2.5	3.2	4.3	2.6	1.3	-.1	-.8	-.8	-.9	-1.0	-1.2	-.7	-.6	-.0	2.4	2.9	2.6	1.4	.8	.8	1.5	1.0
23	2.5	2.7	2.7	2.3	3.1	1.9	1.3	.3	-.3	-.7	-.9	-.7	-1.0	-1.4	-.9	-.6	-.2	.2	.5	.6	.5	1.2	1.7	1.9	.7
24	1.2	1.8	1.4	1.1	.8	.2	.2	.1	-.0	-.2	-.4	-.4	-.6	-.7	-.4	-.3	-.2	-.2	-.1	-.0	-.0	.5	.2	.2	.2
25	.1	.1	-.0	.0	-.0	-.0	-.0	-.1	-.1	-.1	-.3	-.2	-.4	-.3	-.3	-.3	-.1	-.0	.1	.0	-.0	.0	.0	.0	-.1
26	.0	-.0	.0	-.0	-.0	-.0	-.0	-.1	-.3	-.5	-.6	-.8	-.7	-.6	-.5	-.3	.0	.9	3.1	3.9	4.6	4.1	2.5	3.3	.8
27	2.3	1.7	1.6	1.8	1.7	1.4	2.4	.6	-.2	-.5	-.8	-.6	-.6	-.5	-.5	-.3	.2	1.5	1.6	1.8	2.6	3.2	3.3	3.5	1.1
28	3.6	2.7	3.6	2.8	2.8	3.6	3.5	.6	-.2	-.3	-.7	-.5	-.8	-.8	-.7	-.6	-.0	1.6	2.7	3.4	2.3	1.6	1.8	3.3	1.5
HOURLY																									
MEAN	2.7	2.6	2.5	2.8	2.8	2.5	2.5	1.8	.4	-.1	-.3	-.3	-.3	-.3	-.2	-.1	.4	1.6	2.1	2.3	2.3	2.3	2.2	2.7	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	4.9	6.1	2.8	3.0	12.4	6.7	4.0	3.6	4.7	.2	6.7	7.6	7.5	4.6	.9	4.4	9.6	7.2	7.6	4.9	2.6	4.3	3.1	1.8	.1
MIN	-1.3	-1.0	-.4	-.0	-.5	-.7	-.7	-.9	-1.0	-.6	-.4	-.3	.2	-.7	-.2	-.2	-.9	-.0	.3	-.7	-1.0	-1.2	-1.4	-.7	-.4
DAY	26	27	28	29	30	31																			
MAX	4.6	3.5	3.6	***	***	***																			
MIN	-.8	-.8	-.8	***	***	***																			

MONTHLY AVERAGE = 1.4    MONTHLY MAXIMUM = 12.4    MONTHLY MINIMUM = -1.4  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 672    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 3 FROM : 2/ 1/1993 TO : 2/28/1993

SOLAR RADIATION (LANGLEYS/HR)  
FEBRUARY - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	.0	.0	.0	.0	.0	.0	.0	.0	.3	.6	.7	.8	.8	.7	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.2
2	.0	.0	.0	.0	.0	.0	.0	.1	.2	.4	.6	.8	.7	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.2
3	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.3	.3	.3	.4	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.1
4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.4	.4	.5	.8	.4	.2	.0	.0	.0	.0	.0	.0	.0	.1
5	.0	.0	.0	.0	.0	.0	.0	.1	.5	.7	.8	.9	.9	.8	.6	.4	.1	.0	.0	.0	.0	.0	.0	.0	.2
6	.0	.0	.0	.0	.0	.0	.0	.1	.3	.6	.8	.9	.9	.8	.6	.4	.1	.0	.0	.0	.0	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0	.1	.2	.5	.6	.8	.8	.8	.6	.4	.1	.0	.0	.0	.0	.0	.0	.0	.2
8	.0	.0	.0	.0	.0	.0	.0	.0	.1	.4	.4	.5	.4	.6	.6	.4	.1	.0	.0	.0	.0	.0	.0	.0	.1
9	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.6	.7	.7	.8	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.2
10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2	.2	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.1	.3	.4	.9	1.1	1.0	.9	.7	.4	.2	.0	.0	.0	.0	.0	.0	.0	.2
13	.0	.0	.0	.0	.0	.0	.0	.1	.3	.6	.8	1.0	1.0	.9	.7	.5	.2	.0	.0	.0	.0	.0	.0	.0	.3
14	.0	.0	.0	.0	.0	.0	.0	.1	.3	.5	.5	.7	.9	.7	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.2
15	.0	.0	.0	.0	.0	.0	.0	.1	.2	.4	.7	.8	1.0	.9	.7	.4	.1	.0	.0	.0	.0	.0	.0	.0	.2
16	.0	.0	.0	.0	.0	.0	.0	.1	.2	.3	.7	1.0	.9	1.0	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.2
17	.0	.0	.0	.0	.0	.0	.0	.2	.4	.7	.9	1.1	1.0	.9	.7	.4	.2	.0	.0	.0	.0	.0	.0	.0	.3
18	.0	.0	.0	.0	.0	.0	.0	.2	.4	.7	.8	1.2	1.0	1.0	.8	.6	.2	.0	.0	.0	.0	.0	.0	.0	.3
19	.0	.0	.0	.0	.0	.0	.0	.1	.4	.6	.8	1.0	1.0	.4	.3	.4	.2	.0	.0	.0	.0	.0	.0	.0	.2
20	.0	.0	.0	.0	.0	.0	.0	.0	.3	.6	.9	.8	.9	.9	.8	.5	.2	.0	.0	.0	.0	.0	.0	.0	.2
21	.0	.0	.0	.0	.0	.0	.0	.1	.4	.7	.9	.8	1.0	.9	.8	.5	.2	.0	.0	.0	.0	.0	.0	.0	.3
22	.0	.0	.0	.0	.0	.0	.0	.1	.4	.7	.8	.9	.7	.9	.4	.5	.2	.0	.0	.0	.0	.0	.0	.0	.2
23	.0	.0	.0	.0	.0	.0	.0	.2	.5	.7	.9	1.0	1.0	.9	.7	.4	.1	.0	.0	.0	.0	.0	.0	.0	.3
24	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1
25	.0	.0	.0	.0	.0	.0	.0	.1	.2	.3	.5	.6	.7	.5	.4	.5	.1	.0	.0	.0	.0	.0	.0	.0	.2
26	.0	.0	.0	.0	.0	.0	.0	.1	.2	.4	.5	.6	.8	.9	.8	.5	.2	.0	.0	.0	.0	.0	.0	.0	.2
27	.0	.0	.0	.0	.0	.0	.0	.2	.4	.6	.9	1.2	1.0	1.0	.8	.5	.2	.0	.0	.0	.0	.0	.0	.0	.3
28	.0	.0	.0	.0	.0	.0	.0	.2	.5	.8	.9	1.0	1.1	1.0	.7	.5	.2	.0	.0	.0	.0	.0	.0	.0	.3
HOURLY																									
MEAN	.0	.0	.0	.0	.0	.0	.0	.1	.3	.5	.6	.8	.8	.7	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	.8	.8	.4	.8	.9	.9	.8	.6	.8	.1	.2	1.1	1.0	.9	1.0	1.0	1.1	1.2	1.0	.9	1.0	.9	1.0	.2	.7
MIN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
DAY	26	27	28	29	30	31																			
MAX	.9	1.2	1.1	***	***	***																			
MIN	.0	.0	.0	***	***	***																			

MONTHLY AVERAGE = .2 MONTHLY MAXIMUM = 1.2 MONTHLY MINIMUM = .0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 672 VALID DATA RECOVERY RATE = 100.0% OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 2/ 1/1993 TO : 2/28/1993

OZONE (PPB)  
FEBRUARY - 1993

HOUR																									DAILY	
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1	1	1	1	1	1	1	1	1	6	14	21	28	29	29	34	37	34	21	21	12	7	15	29	34	16
2	31	1	1	8	15	10	1	2	5	6	13	19	28	36	37	36	31	22	35	34	38	21	20	29	20	
3	26	21	20	21	18	14	5	1	5	20	34	37	36	CAL	37	35	34	30	28	30	26	18	24	35	24	
4	33	32	26	22	20	21	22	19	20	32	36	39	44	46	48	48	46	32	24	16	12	3	1	1	27	
5	1	7	11	4	16	10	5	5	12	CAL	CAL	CAL	CAL	CAL	48	47	46	43	7	3	3	1	1	1	14	
6	3	14	20	23	23	23	17	15	21	26	33	37	38	39	37	37	28	22	22	22	12	4	3	2	22	
7	1	1	1	1	1	2	1	2	7	17	25	43	49	51	51	51	46	32	34	29	31	27	35	16	23	
8	28	28	29	26	19	11	1	1	3	CAL	18	21	19	26	29	CAL	23	19	19	18	27	18	1	6	18	
9	8	7	5	2	1	1	1	3	4	5	14	20	28	34	43	47	40	39	35	31	29	36	20	14	19	
10	12	15	21	23	29	25	24	23	20	26	29	30	29	27	28	30	28	27	23	24	29	31	31	31	26	
11	29	28	28	27	27	23	3	7	13	19	28	33	37	42	40	32	27	29	19	26	23	15	8	8	24	
12	13	1	1	1	2	1	1	5	13	27	35	39	44	52	52	40	34	22	9	23	38	40	38	28	23	
13	22	10	3	5	25	25	32	18	33	35	41	47	51	55	56	57	57	52	54	46	27	32	28	30	35	
14	8	3	1	15	1	1	3	8	17	38	45	48	54	56	57	56	54	54	45	38	42	41	37	17	31	
15	31	37	40	40	35	34	30	30	28	31	34	37	38	40	42	42	42	41	40	40	39	38	37	36	37	
16	36	35	33	31	17	11	11	19	29	31	36	40	42	43	44	44	43	37	36	35	31	26	21	26	32	
17	21	13	3	2	2	2	1	8	15	26	32	38	46	48	50	50	CAL	39	37	32	45	17	1	2	23	
18	4	3	3	2	2	2	3	9	13	20	29	48	51	47	52	46	39	35	26	5	3	1	2	20	19	
19	16	26	28	31	31	18	13	15	20	25	30	37	38	33	29	29	24	7	1	1	1	1	1	1	19	
20	6	24	21	15	1	5	19	20	8	24	32	33	37	37	50	51	46	39	35	30	30	23	29	34	27	
21	40	41	40	41	29	39	43	43	44	45	45	45	46	45	46	46	45	42	37	40	34	38	35	26	41	
22	28	36	42	37	35	25	5	11	20	37	40	44	45	45	45	45	44	31	25	26	28	36	35	36	33	
23	26	24	15	17	22	27	28	18	14	18	27	30	31	31	33	39	43	37	36	33	26	27	26	25	27	
24	32	26	23	25	23	30	24	18	20	20	21	21	21	22	21	23	24	22	22	21	22	23	25	24	23	
25	22	22	25	25	23	14	10	22	28	32	30	36	46	54	53	54	49	54	52	53	49	50	46	46	37	
26	41	39	41	44	40	37	35	26	14	19	26	30	32	35	34	44	51	41	39	37	32	18	21	14	33	
27	3	13	9	1	1	2	5	10	25	36	35	34	29	37	43	43	41	32	CAL	44	41	35	37	22	25	
28	1	1	1	2	1	1	1	4	14	19	26	36	38	44	49	56	60	62	53	48	43	30	38	35	28	
HOURLY MEAN	19	18	18	18	16	15	12	13	17	25	30	35	38	40	42	43	40	34	30	29	27	24	23	21		

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	37	38	37	48	48	39	51	29	47	31	42	52	57	57	42	44	50	52	38	51	46	45	43	32	54
MIN	1	1	1	1	1	2	1	1	1	12	3	1	3	1	28	11	1	1	1	1	26	5	14	18	10

  

DAY	26	27	28	29	30	31
MAX	51	44	62	***	***	***
MIN	14	1	1	***	***	***

MONTHLY AVERAGE = 26.0    MONTHLY MAXIMUM = 62.3    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 672    VALID DATA RECOVERY RATE = 98.5%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 2/ 1/1993 TO : 2/28/1993

CARBON MONOXIDE (PPM)  
FEBRUARY - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	1.6	1.5	1.1	1.2	1.1	1.2	1.8	1.8	1.4	1.6	1.4	1.1	1.0	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.4	1.2	.8	.6	1.2
2	.6	1.8	1.4	.9	.8	.9	1.2	1.4	1.9	2.5	1.2	1.1	.9	.7	.7	.7	.8	.7	.7	.7	.6	.7	.7	.6	1.0
3	.6	.6	.6	.6	.6	.7	.8	1.4	1.3	.7	.7	.6	.7	CAL	.5	.7	.7	.7	.7	.7	.7	.9	.8	.7	.7
4	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	CAL	CAL	CAL	CAL	.1	.1	.1	.3	.3	.4	.4	1.1	1.2	1.3	.6
5	.8	.6	.5	.5	.3	.4	.6	.9	1.3	1.1	.7	.8	.4	.3	.2	.2	.2	.2	.8	2.6	2.8	2.2	1.6	.9	.9
6	.6	.5	.3	.3	.2	.2	.3	.4	.6	.8	.6	.4	.5	.5	.4	.4	.4	.5	.4	.4	.8	1.4	3.1	2.2	.7
7	1.6	1.4	1.1	.9	.6	.5	.5	.7	.8	.7	.6	.3	.2	.1	.1	.1	.1	.2	.1	.2	.2	.1	.1	.3	.5
8	.1	.1	.1	.1	.2	.3	.5	1.0	1.9	CAL	.7	.5	.5	.5	.5	CAL	.6	.5	.4	.3	.3	.3	.4	.4	.5
9	.4	.4	.6	.5	.7	.9	1.3	2.2	2.6	3.3	2.2	1.3	.7	.6	.5	.4	.4	.3	.3	.4	.4	.3	.3	.4	.9
10	.5	.4	.2	.1	.1	.2	.2	.2	.2	.2	.1	.1	.2	.1	.1	.2	.2	.2	.1	.1	.1	.1	.1	.1	.2
11	.1	.1	.1	.1	.1	.1	.5	.8	1.2	1.3	.8	.5	.3	.3	.2	.3	.2	.3	.4	.3	.4	.6	.7	.7	.4
12	.7	1.0	1.0	.9	1.3	.8	1.0	2.1	2.3	1.5	1.0	.5	.3	.2	.6	1.4	1.2	1.1	1.2	1.0	.5	.3	.3	.5	1.0
13	.5	.7	.8	.7	.5	.4	.3	.4	.3	.3	.3	.2	.2	.2	.2	.2	.2	.2	.2	.2	.5	.5	.5	.4	.4
14	.8	.9	.8	.6	.9	.9	.8	.9	.9	.4	.2	.2	.3	.3	.4	.4	.4	.4	.5	.5	.4	.4	.4	.5	.5
15	.4	.3	.3	.3	.3	.3	.3	.3	.4	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
16	.3	.3	.3	.4	.4	.4	.5	.6	.5	.5	.4	.3	.3	.3	.3	.3	.3	.3	.3	.3	.4	.4	.4	.5	.4
17	.6	.6	.9	1.0	.9	.9	1.2	1.8	2.3	1.8	1.1	.8	.8	.7	.5	.5	CAL	.5	.5	.4	.4	.8	1.3	1.9	1.0
18	2.7	2.3	2.3	1.9	2.0	2.0	2.1	4.4	4.7	3.6	3.6	1.5	.4	.3	.3	.3	.4	.4	.5	1.1	3.0	2.2	1.1	.5	1.8
19	.5	.3	.3	.3	.3	.4	.6	.6	.9	1.1	.9	.5	.3	.3	.3	.5	.5	.8	1.5	1.9	1.5	1.1	.8	1.1	.7
20	.7	.4	.3	.5	1.1	.8	.4	.5	1.3	.8	.4	.3	.3	.4	.6	.4	.3	.3	.4	.4	.4	.4	.4	.3	.5
21	.3	.3	.3	.2	.2	.2	.2	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.4	.4	.4	.3	.4	.4	.3
22	.4	.3	.3	.3	.3	.4	.8	1.0	1.0	.5	.4	.3	.3	.3	.3	.3	.3	.4	.5	.4	.4	.3	.3	.4	.3
23	.3	.4	.5	.4	.3	.3	.3	.5	1.0	.8	.5	.5	.6	.6	.5	.4	.4	.4	.4	.4	.4	.5	.5	.4	.5
24	.3	.3	.4	.4	.3	.3	.4	.4	.4	.5	.4	.5	.5	.5	.5	.4	.4	.4	.4	.4	.4	.4	.3	.3	.4
25	.3	.3	.3	.3	.3	.4	.4	.4	.4	.3	.4	.4	.4	.4	.4	.3	.4	.4	.4	.4	.4	.3	.4	.3	.4
26	.3	.3	.3	.3	.3	.3	.4	.4	.6	.6	.6	.5	.6	.5	.5	.4	.4	.5	.4	.4	.5	.5	.4	.5	.4
27	.8	.6	.6	.7	.9	.8	.8	.9	.7	.5	.7	.8	.9	.8	.5	.5	.5	.5	CAL	.6	.6	.6	.6	.8	.7
28	1.6	1.9	1.9	2.2	1.9	1.4	1.3	1.0	.8	.8	.6	.5	.5	.5	.5	.5	.5	.5	.5	.5	.6	.6	.7	.7	.9
HOURLY MEAN	.7	.7	.7	.6	.6	.6	.7	1.0	1.2	1.0	.8	.6	.5	.4	.4	.4	.4	.5	.5	.6	.7	.7	.7	.6	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	1.8	2.5	1.4	1.3	2.8	3.1	1.6	1.9	3.3	.5	1.3	2.3	.8	.9	.4	.6	2.3	4.7	1.9	1.3	.4	1.0	1.0	.5	.4
MIN	.6	.6	.5	.1	.2	.2	.1	.1	.3	.1	.1	.2	.2	.2	.3	.3	.4	.3	.3	.3	.2	.3	.3	.3	.3

DAY	26	27	28	29	30	31
MAX	.6	.9	2.2	***	***	***
MIN	.3	.5	.5	***	***	***

MONTHLY AVERAGE = .6    MONTHLY MAXIMUM = 4.7    MONTHLY MINIMUM = .1  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 672    VALID DATA RECOVERY RATE = 98.7%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 2/ 1/1993 TO : 2/28/1993

SULFUR DIOXIDE (PPB)  
FEBRUARY - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	2	3	2	2	1	3	2	1	1	2	2	3	3	3	1	1	1	1	1	1	1	4	1	1	2
2	1	4	2	1	1	1	1	1	4	8	5	4	3	1	1	1	1	1	1	1	1	1	1	1	2
3	1	1	1	1	1	1	1	1	1	1	1	CAL	CAL	1	CAL	CAL	CAL	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	4	2	1	2
5	1	1	1	1	1	1	1	1	1	1	3	1	1	1	4	5	4	2	1	1	2	5	8	8	2
6	1	1	1	1	1	1	1	1	1	1	5	1	1	1	1	1	1	1	1	3	1	1	1	1	3
7	25	9	5	3	1	1	1	1	3	5	3	CAL	5	5	5	9	CAL	2	2	1	1	1	1	1	2
8	1	1	1	1	1	1	1	1	3	6	8	10	11	14	10	5	3	2	1	1	1	1	1	1	4
9	1	1	1	1	1	1	1	1	3	6	8	10	11	14	10	5	3	2	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	4	9	7	5	3	2	1	1	1	1	1	1	1	1	1	1	2
12	1	1	2	3	4	1	1	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
17	1	1	1	1	1	1	2	3	3	3	3	1	1	1	CAL	1	1	1	1	1	1	1	2	2	2
18	4	3	4	6	7	5	6	14	13	7	6	3	1	1	1	1	1	1	1	3	9	5	1	1	4
19	1	1	1	1	1	1	1	4	4	1	9	4	1	1	1	1	1	2	6	2	3	4	1	1	2
20	2	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	3	6	7	1	1	2
21	1	1	1	1	11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	3	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	4	10	5	4	6	5	4	1	1	1	1	1	1	1	1	1	2
24	1	1	1	1	1	1	1	5	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	17	10	1	1	2	2	4	3	1	1	1	1	1	1	1	1	2
27	1	1	1	1	1	1	1	1	1	1	1	5	17	8	1	1	CAL	1	1	1	1	1	1	1	2
28	4	5	4	5	6	5	3	6	4	9	14	6	6	2	1	1	1	1	1	1	1	1	1	1	4
HOURLY MEAN	2	2	1	2	2	1	1	2	3	3	3	3	3	2	2	1	1	1	1	1	2	2	1	1	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	4	8	1	1	5	8	25	9	14	1	9	4	2	1	1	2	3	14	9	7	11	4	10	5	1
MIN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

DAY	26	27	28	29	30	31
MAX	17	17	14	***	***	***
MIN	1	1	1	***	***	***

MONTHLY AVERAGE = 1.9    MONTHLY MAXIMUM = 25.5    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 672    VALID DATA RECOVERY RATE = 98.7%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 2/ 1/1993 TO : 2/28/1993

NITRIC OXIDE (PPB)  
FEBRUARY - 1993

DAY	HOUR																								DAILY	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	***	
2	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL		3	3	3	3	3	3	
3	3	4	4	4	4	4	6	33	33	11	7	CAL	CAL	4	5	5	4	4	4	5	6	7	7	7	8	
4	6	5	6	5	5	6	6	6	8	8	7	CAL	CAL	5	3	3	3	2	3	1	1	34	48	44	10	
5	12	2	1	3	1	3	5	22	40	39	26	28	10	3	3	3	3	2	17	134	149	122	77	19	30	
6	6	2	2	2	2	3	3	7	16	24	19	11	11	10	10	9	7	3	2	3	15	66	179	119	22	
7	102	66	48	25	10	4	8	28	32	34	21	9	5	3	3	2	2	1	2	1	1	1	1	1	17	
8	2	2	3	3	2	3	12	55	113	67	23	21	22	16	18	CAL	1	1	1	1	1	4	20	5	17	
9	6	6	10	9	26	43	77	125	149	180	104	43	21	16	7	3	3	3	4	4	4	4	4	4	5	36
10	5	5	5	3	1	1	1	1	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
11	1	1	1	1	1	1	6	23	39	47	29	16	12	12	9	18	13	4	2	1	1	5	6	9	11	
12	14	28	29	26	81	39	28	84	85	49	34	21	12	6	14	31	21	6	4	1	1	1	2	2	26	
13	1	1	8	5	5	1	1	9	7	11	9	5	6	3	3	3	2	1	1	1	1	1	1	1	4	
14	1	7	10	3	19	22	22	32	43	11	8	8	6	6	6	5	4	1	1	1	1	1	1	1	9	
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
16	1	1	1	1	1	1	1	1	2	4	1	1	1	5	1	1	1	1	1	1	1	1	1	1	1	
17	1	1	9	29	18	6	20	56	81	53	36	21	14	12	CAL	CAL	4	1	1	1	1	10	42	67	22	
18	127	86	78	47	65	66	80	271	242	131	113	36	6	8	3	4	5	2	2	31	137	91	21	3	69	
19	3	4	4	3	3	3	4	17	29	31	28	15	8	13	11	15	12	14	49	72	81	38	17	35	21	
20	12	5	7	13	45	20	3	7	48	16	7	5	5	5	10	7	4	5	7	9	7	7	7	6	11	
21	6	4	4	4	5	5	6	3	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	2	
22	3	4	3	1	1	2	9	21	24	11	8	7	5	3	1	3	5	5	6	6	5	4	4	3	6	
23	1	2	2	2	2	2	2	11	29	30	17	15	15	16	10	5	2	1	1	1	1	2	3	4	7	
24	5	5	5	5	4	5	5	6	7	6	7	7	7	6	5	4	1	1	1	1	1	1	1	2	4	
25	3	3	4	4	3	3	4	4	4	3	6	3	3	2	2	4	3	1	2	2	1	1	1	1	3	
26	2	3	3	3	3	3	3	5	17	18	9	9	11	10	12	7	3	3	3	3	4	4	3	6	6	
27	14	4	4	12	19	10	8	19	16	12	17	24	35	21	8	6	CAL	CAL	CAL	1	1	1	1	1	11	
28	39	71	80	111	98	68	71	42	23	34	24	9	8	3	1	1	1	1	1	1	1	1	1	1	29	
HOURLY																										
MEAN	14	12	13	13	16	12	15	34	42	32	22	13	9	7	6	6	4	3	5	11	16	15	17	13		

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	***	3	33	48	149	179	102	113	180	5	47	85	11	43	1	5	81	271	81	48	6	24	30	7	6
MIN	***	3	3	1	1	2	1	1	3	1	1	1	1	1	1	1	1	2	3	3	1	1	1	1	1
-----																									
										DAY	26	27	28	29	30	31									
										MAX	18	35	111	***	***	***									
										MIN	2	1	1	***	***	***									

MONTHLY AVERAGE = 14.7    MONTHLY MAXIMUM = 270.5    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 672    VALID DATA RECOVERY RATE = 92.3%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE



ROCKY MOUNTAIN ARSENAL CAQMP  
SITE 4 FROM : 2/ 1/1993 TO : 2/28/1993

NITROGEN DIOXIDE (PPB)  
FEBRUARY - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	***
2	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	***
3	9	12	9	9	8	13	23	30	27	15	7	CAL	CAL	5	6	6	6	8	10	7	11	21	13	5	12
4	6	6	12	13	16	14	11	13	10	7	6	CAL	CAL	5	5	5	6	14	22	27	29	46	43	47	17
5	46	37	32	37	23	31	39	41	39	37	29	39	19	9	6	7	8	9	45	57	59	53	48	43	33
6	39	28	19	16	16	15	23	25	26	32	25	15	17	19	20	27	31	41	43	41	55	68	68	62	32
7	56	53	49	47	43	40	40	38	37	39	30	12	5	4	4	4	5	12	12	20	14	16	7	27	25
8	9	7	7	6	17	26	41	40	44	42	34	30	33	28	31	CAL	33	35	27	24	19	22	43	37	28
9	36	40	46	47	49	47	44	44	54	66	73	60	40	33	25	22	29	26	24	27	26	19	27	30	39
10	28	23	15	13	9	11	12	11	13	7	6	6	6	5	5	6	8	9	11	9	8	6	6	5	10
11	8	8	8	9	8	12	37	35	33	37	28	19	17	18	14	25	29	26	34	23	26	36	43	44	24
12	38	50	52	52	55	47	47	50	51	39	32	22	16	8	29	74	73	79	84	65	31	19	19	31	44
13	35	47	53	52	33	30	21	33	18	18	15	10	10	8	6	6	7	9	6	10	26	21	22	18	21
14	44	51	53	36	54	54	51	49	43	19	13	11	10	13	15	16	19	18	24	27	19	18	20	34	30
15	18	12	9	7	8	6	8	6	8	5	4	4	4	4	5	5	5	5	5	5	5	5	5	5	6
16	4	4	5	6	22	31	28	22	12	11	6	6	4	1	3	4	4	7	7	7	11	18	21	15	11
17	22	32	47	51	48	44	44	42	44	42	32	26	25	23	CAL	CAL	20	26	25	25	10	43	67	69	37
18	74	74	77	78	75	73	74	100	110	98	113	54	15	13	6	10	14	14	21	50	62	55	47	21	55
19	24	15	12	8	8	19	31	31	30	30	17	6	10	12	15	17	37	44	44	44	41	41	40	25	
20	34	12	14	21	37	31	15	15	36	18	6	5	5	7	21	13	6	10	12	17	18	24	17	7	17
21	4	4	4	4	15	4	3	3	1	1	1	1	1	1	1	1	1	4	8	5	9	5	8	15	4
22	14	8	1	4	6	18	38	33	30	12	8	3	1	2	2	3	4	15	18	15	11	4	5	3	11
23	11	13	23	20	10	9	5	13	27	26	16	15	18	21	15	10	9	14	12	12	17	16	17	15	15
24	9	13	14	10	10	10	15	22	20	16	15	14	15	16	17	13	12	12	10	10	9	8	6	6	13
25	6	6	6	7	8	17	21	12	9	7	9	7	8	8	8	10	14	9	8	7	8	6	7	7	9
26	9	9	8	6	8	10	9	18	33	28	20	18	19	18	23	16	8	14	13	11	17	22	15	25	16
27	31	23	25	36	40	42	39	34	25	20	26	34	50	39	18	15	CAL	CAL	CAL	19	23	29	25	41	30
28	72	69	65	65	54	47	45	40	32	43	36	25	25	19	15	14	17	16	20	24	26	33	25	26	36
HOURLY																									
MEAN	26	25	26	25	26	27	29	31	31	28	24	19	15	13	13	14	15	19	21	22	22	25	25	26	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	***	23	30	47	59	68	56	44	73	28	44	84	53	54	18	31	69	113	44	37	15	38	27	22	21
MIN	***	10	5	5	6	15	4	6	19	5	8	8	6	10	4	1	10	6	6	5	1	1	5	6	6
DAY	26	27	28	29	30	31																			
MAX	33	50	72	***	***	***																			
MIN	6	15	14	***	***	***																			

MONTHLY AVERAGE = 22.9    MONTHLY MAXIMUM = 113.0    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 672    VALID DATA RECOVERY RATE = 92.3%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 2/ 1/1993 TO : 2/28/1993

NITROGEN OXIDES (PPB)  
FEBRUARY - 1993

.....DAILY																									
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	***
2	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	15	18	13	27	26	13	19
3	13	16	13	13	13	18	29	64	61	27	15	CAL	CAL	10	11	12	11	13	15	13	18	29	20	12	20
4	13	12	18	19	22	20	18	20	19	16	14	CAL	CAL	10	9	9	9	17	26	29	30	81	92	92	27
5	58	39	34	41	25	35	44	63	80	77	56	67	29	12	9	10	12	12	62	191	208	175	125	62	64
6	46	31	21	19	18	18	26	33	42	56	45	26	29	30	30	37	38	44	46	44	70	134	248	181	55
7	158	119	97	72	54	44	49	66	69	73	52	21	11	7	7	7	7	14	15	22	16	18	10	29	43
8	11	10	11	10	20	30	54	96	158	109	57	52	55	44	49	CAL	34	31	23	23	20	27	64	43	45
9	42	47	57	57	76	91	121	169	204	245	177	104	61	49	33	26	32	30	28	32	30	23	32	35	75
10	33	28	21	17	11	13	12	13	17	10	7	7	7	5	4	5	6	7	10	9	7	6	5	5	11
11	6	7	7	9	9	14	44	58	73	84	57	36	30	31	24	44	42	30	37	25	27	41	50	54	35
12	53	78	82	78	137	86	76	134	136	89	66	43	28	14	43	105	94	86	89	68	33	21	22	34	71
13	36	49	62	57	38	33	23	42	26	30	24	16	17	12	10	9	10	11	8	12	28	22	23	19	26
14	45	58	63	40	74	77	73	82	87	30	21	19	16	20	22	22	23	21	26	29	21	20	22	35	39
15	19	13	10	6	5	3	5	3	7	4	1	1	1	1	3	4	4	3	3	2	3	2	1	2	4
16	1	1	1	2	18	28	25	23	15	15	7	6	3	3	4	4	4	6	5	4	8	14	17	12	10
17	18	28	56	81	67	51	64	98	126	95	69	47	40	36	CAL	CAL	25	27	26	26	10	53	109	137	59
18	201	160	155	125	140	139	154	371	353	230	226	90	22	21	10	15	19	17	24	81	199	147	69	25	125
19	28	19	16	12	11	23	35	49	59	61	59	33	15	23	24	30	30	51	93	117	126	80	58	75	47
20	46	18	21	34	82	51	18	23	84	35	14	10	10	13	32	20	11	16	20	26	26	31	25	14	28
21	11	8	9	9	21	10	9	6	4	2	1	1	1	1	1	2	3	5	9	6	10	8	11	19	7
22	17	12	5	6	8	21	47	54	54	23	16	10	8	6	5	7	9	21	24	21	17	9	9	6	17
23	13	16	25	22	13	12	8	25	57	57	33	30	34	37	26	16	12	15	13	14	19	19	21	20	23
24	14	19	20	16	15	15	20	28	27	23	23	22	23	23	22	17	15	13	11	11	11	9	9	9	17
25	10	10	10	11	11	21	25	17	13	10	15	11	12	11	11	14	18	11	11	10	11	7	8	9	12
26	11	12	11	9	12	13	13	23	51	47	30	28	31	28	35	23	11	17	17	15	21	26	18	32	22
27	45	28	30	48	60	53	48	53	42	33	44	58	85	60	26	21	CAL	CAL	CAL	20	22	28	25	43	41
28	112	140	146	176	153	115	116	82	55	78	60	34	33	23	17	15	15	14	18	22	25	31	24	25	64
HOURLY																									
MEAN	41	38	39	38	43	40	44	65	74	60	46	32	25	20	19	20	20	21	26	33	38	40	42	39	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	***	27	64	92	208	248	158	158	245	33	84	137	62	87	19	28	137	371	126	84	21	54	57	28	25
MIN	***	13	10	9	9	18	7	10	23	4	6	14	8	16	1	1	10	10	11	10	1	5	8	9	7
DAY	26	27	28	29	30	31																			
MAX	51	85	176	***	***	***																			
MIN	9	20	14	***	***	***																			

MONTHLY AVERAGE = 37.8    MONTHLY MAXIMUM = 371.2    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 672    VALID DATA RECOVERY RATE = 92.3%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 3/ 1/1993 TO : 3/31/1993

10M WIND SPEED (MPH)  
MARCH - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	1.6	5.1	4.4	3.1	3.5	4.7	4.4	4.5	6.4	5.0	7.4	10.8	12.0	11.2	10.7	8.0	8.2	4.9	6.0	4.7	2.9	2.6	2.5	3.8	5.8
2	4.9	4.6	6.1	6.6	6.2	6.3	6.8	5.3	4.4	2.9	6.3	13.5	20.4	23.0	24.4	20.8	10.7	8.7	5.7	8.9	7.8	3.9	3.3	5.0	9.0
3	4.4	5.5	5.2	5.2	5.6	6.0	7.8	5.7	5.9	5.9	5.2	8.0	7.8	7.2	11.0	12.9	13.7	11.7	6.5	5.9	4.6	4.7	2.7	2.6	6.7
4	6.5	11.1	7.6	6.2	9.1	7.1	4.0	2.7	3.5	6.7	5.2	5.3	5.0	4.8	5.2	4.8	4.7	4.4	8.9	8.9	9.9	7.2	6.3	7.9	6.4
5	6.2	6.5	6.8	7.4	5.2	7.1	6.1	6.5	7.3	4.8	4.3	9.5	9.5	14.7	16.3	13.9	13.7	8.0	8.5	7.9	9.0	10.5	7.6	5.8	8.5
6	6.4	10.0	9.4	9.5	7.9	8.8	3.4	2.0	2.7	3.2	3.0	11.0	22.4	19.5	13.7	16.6	12.6	7.5	7.6	6.7	6.3	7.2	8.8	8.3	8.9
7	11.1	10.2	8.7	8.7	7.9	8.4	6.9	8.7	8.9	7.0	6.1	9.9	7.2	9.1	10.4	17.4	23.3	18.5	19.1	14.0	11.6	5.1	3.9	4.9	10.3
8	5.9	12.3	8.6	14.5	11.7	12.8	14.0	14.0	14.0	12.0	6.6	10.6	15.7	24.1	26.5	20.7	16.3	14.9	13.9	16.8	21.7	25.9	18.0	18.1	15.4
9	22.1	15.4	15.1	12.8	11.8	13.4	11.3	9.8	16.9	17.1	26.5	28.3	28.8	29.6	25.3	10.6	19.2	16.2	3.7	4.5	11.8	10.3	6.1	8.6	15.6
10	11.1	10.1	9.8	7.2	7.4	4.3	6.6	7.6	10.7	12.8	12.5	12.9	8.3	12.5	13.1	14.9	16.8	20.6	18.6	14.9	13.0	11.5	8.4	7.3	11.4
11	5.3	5.4	8.2	8.7	8.0	9.7	10.7	12.0	14.9	14.5	15.2	14.3	14.7	13.3	11.6	9.8	10.7	19.7	25.0	25.1	18.0	15.8	12.0	11.7	13.1
12	11.5	11.2	8.4	8.0	6.2	4.3	2.1	2.2	3.2	6.5	5.8	7.1	6.8	4.9	3.5	5.6	6.9	10.2	11.2	6.6	7.3	7.2	7.1	7.7	6.7
13	6.8	6.0	5.5	5.5	4.8	1.9	1.6	5.5	4.3	6.7	9.9	7.0	15.5	14.1	10.7	11.1	8.5	7.6	6.9	8.1	9.7	9.4	8.4	7.9	7.6
14	6.8	8.1	6.3	6.0	6.4	6.2	4.3	3.6	7.8	12.7	7.2	7.6	7.4	4.7	4.2	5.4	2.6	4.4	7.7	6.7	9.8	9.3	7.4	6.2	6.6
15	7.8	9.3	9.1	5.3	4.9	5.8	4.1	8.3	14.2	21.6	22.8	25.7	25.8	18.5	23.3	19.5	13.6	10.6	12.1	9.0	6.5	3.7	5.8	10.3	12.4
16	12.3	5.0	8.5	9.6	10.1	5.8	8.4	9.2	15.0	14.4	8.2	9.4	9.5	15.0	16.8	17.1	19.3	17.1	11.7	9.2	12.0	9.6	7.7	8.7	11.2
17	8.2	6.1	6.0	5.4	5.3	7.0	6.3	7.9	7.8	4.9	4.7	4.2	2.8	3.3	6.0	7.6	9.5	7.6	6.4	6.3	5.3	4.8	2.1	2.8	5.8
18	3.9	4.6	3.8	3.5	1.9	2.2	2.0	2.0	2.8	7.3	6.1	8.5	9.0	11.9	10.9	7.4	4.4	7.2	8.1	7.6	4.4	5.1	2.5	2.0	5.4
19	5.9	6.5	6.7	7.2	7.2	8.9	6.4	6.5	7.1	8.6	5.8	6.8	16.5	14.3	15.2	14.6	18.6	15.5	11.9	11.4	10.7	9.7	12.6	10.7	10.2
20	8.6	4.6	3.4	5.7	4.8	1.1	3.2	4.4	2.4	3.0	6.3	8.8	8.8	8.0	9.3	12.2	11.9	8.3	5.9	5.9	7.1	6.2	3.9	4.3	6.2
21	3.4	3.4	4.0	4.0	6.5	10.9	12.7	3.0	4.4	12.5	7.5	12.9	12.6	16.3	18.5	20.5	20.8	19.3	18.5	15.3	4.3	3.2	3.7	2.8	10.0
22	2.9	5.1	6.1	5.1	6.3	5.3	6.3	6.4	5.4	2.7	5.4	6.5	6.4	7.9	6.2	4.6	3.8	4.1	4.6	6.2	6.9	8.0	10.5	9.0	5.9
23	7.7	11.6	11.6	9.6	9.3	8.1	8.8	11.9	13.3	8.4	5.0	4.3	4.6	5.5	5.5	6.8	6.0	3.6	6.4	7.7	9.4	6.8	5.9	5.9	7.7
24	8.2	8.7	7.8	11.1	10.1	13.1	12.4	10.9	8.8	4.9	3.3	4.7	6.3	7.9	6.3	6.0	6.9	7.6	8.1	12.2	11.6	11.7	10.1	11.5	8.8
25	10.5	9.8	8.3	7.6	9.0	8.7	8.4	11.5	9.7	3.7	3.8	7.8	12.0	12.7	13.0	11.8	14.0	15.0	11.5	14.0	13.8	16.0	6.3	7.3	10.3
26	10.0	7.4	5.0	4.2	6.2	5.5	4.7	4.1	3.5	1.8	2.6	4.7	8.1	6.2	11.3	24.7	31.2	11.1	7.8	11.4	14.3	16.7	23.7	22.2	10.4
27	20.8	20.9	19.5	10.5	20.7	19.9	16.8	24.6	20.9	22.9	28.4	25.1	21.8	22.3	21.6	24.2	29.9	23.3	14.6	12.9	8.6	9.2	12.4	10.9	19.3
28	12.4	15.3	17.0	12.9	12.4	11.3	12.4	14.4	14.5	21.6	18.7	17.3	16.2	16.8	13.6	13.8	11.6	15.9	14.7	11.1	11.1	9.4	6.0	4.0	13.5
29	4.5	3.7	4.3	2.0	.8	2.2	3.7	5.2	3.7	4.4	4.2	3.0	3.9	6.3	10.5	9.6	7.4	7.1	10.0	9.7	9.2	8.5	9.3	9.3	5.9
30	8.5	6.1	7.2	7.9	5.8	5.3	3.9	3.5	6.7	8.5	7.2	6.1	7.4	8.8	8.0	10.8	4.4	5.4	11.3	6.2	5.1	5.5	9.8	4.0	6.8
31	7.3	5.9	5.7	4.8	3.2	6.1	4.8	3.3	3.1	7.1	10.4	14.6	17.3	11.8	6.4	7.9	5.7	6.2	5.5	4.9	5.6	4.3	3.4	3.9	6.6
HOURLY MEAN	8.2	8.2	7.9	7.3	7.3	7.4	7.0	7.3	8.2	8.9	8.8	10.5	11.9	12.5	12.5	12.6	12.5	11.0	10.3	9.7	9.3	8.7	7.7	7.6	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	12.0	24.4	13.7	11.1	16.3	22.4	23.3	26.5	29.6	20.6	25.1	11.5	15.5	12.7	25.8	19.3	9.5	11.9	18.6	12.2	20.8	10.5	13.3	13.1	16.0
MIN	1.6	2.9	2.6	2.7	4.3	2.0	3.9	5.9	3.7	4.3	5.3	2.1	1.6	2.6	3.7	5.0	2.1	1.9	5.8	1.1	2.8	2.7	3.6	3.3	3.7
DAY						26	27	28	29	30	31														
MAX						31.2	29.9	21.6	10.5	11.3	17.3														
MIN						1.8	8.6	4.0	.8	3.5	3.1														

MONTHLY AVERAGE = 9.3    MONTHLY MAXIMUM = 31.2    MONTHLY MINIMUM = .8  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 3/ 1/1993 TO : 3/31/1993

WIND DIRECTION (DEGREES)  
MARCH - 1993

HOUR																								
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	282	327	285	303	267	239	192	190	226	267	356	21	33	38	35	20	31	49	79	62	88	140	195	177
2	154	180	214	211	204	191	192	168	193	31	20	18	20	34	32	30	46	56	308	2	43	54	41	15
3	124	137	136	105	193	183	158	157	145	122	110	46	39	17	32	38	40	51	65	109	109	86	116	316
4	11	351	336	350	4	41	92	234	334	41	40	34	63	67	42	58	65	94	118	136	146	162	155	160
5	187	210	223	162	184	240	192	167	188	244	359	29	47	50	47	32	60	126	149	144	123	124	149	188
6	191	216	267	294	319	5	356	134	117	38	316	1	12	17	20	29	38	52	134	166	175	190	190	187
7	199	202	199	197	193	196	183	195	199	221	264	276	307	299	285	293	280	286	285	277	266	239	249	185
8	254	262	284	251	228	204	205	222	222	211	211	275	268	290	302	311	317	311	311	297	285	285	275	276
9	267	289	286	269	238	212	207	209	253	269	286	309	316	319	56	56	311	294	68	173	76	75	91	122
10	112	107	110	113	121	123	110	89	97	99	90	76	35	3	346	355	17	351	345	337	338	338	348	340
11	338	325	325	329	314	321	324	325	334	334	337	331	339	345	357	358	4	10	12	15	10	7	358	347
12	342	339	322	360	22	13	39	136	79	85	113	102	107	127	96	112	89	76	96	129	149	167	154	151
13	150	170	200	219	201	227	219	237	214	208	197	225	299	306	324	15	38	60	97	121	141	146	161	169
14	193	202	194	198	174	211	202	224	191	230	286	228	218	236	212	264	18	84	134	146	206	179	158	183
15	174	183	206	224	187	227	223	256	266	273	271	280	284	281	277	277	284	291	300	271	312	58	79	309
16	318	27	127	134	151	153	100	98	94	80	50	66	66	65	73	73	63	66	72	79	57	63	71	92
17	78	49	10	346	359	9	346	331	335	318	286	303	289	170	17	5	349	1	339	346	342	339	210	159
18	155	115	62	68	138	26	115	156	175	209	311	3	38	36	40	55	41	329	296	285	216	283	319	59
19	243	182	188	183	196	199	183	195	228	40	24	291	279	283	272	296	285	277	263	257	273	334	20	18
20	339	328	307	318	9	49	201	203	192	21	27	19	33	0	3	340	333	337	6	134	98	41	98	229
21	303	138	83	150	46	67	67	166	207	197	116	56	22	29	30	31	28	38	43	36	124	134	83	103
22	79	139	163	172	177	184	171	189	203	95	69	36	61	47	3	71	41	120	143	165	172	192	195	178
23	183	195	195	191	191	201	192	192	198	204	195	130	47	3	27	20	65	358	344	352	1	289	196	185
24	180	174	186	192	191	196	199	203	207	174	184	151	75	74	88	70	82	61	73	107	133	152	179	198
25	194	191	182	185	195	190	188	198	196	283	87	84	91	105	115	112	111	105	117	145	159	186	191	163
26	185	188	182	180	196	215	207	196	257	324	227	358	340	133	139	174	221	209	194	138	160	174	173	171
27	172	167	175	168	175	186	177	173	174	167	159	156	150	130	118	98	113	122	119	96	40	359	347	327
28	345	341	337	333	341	331	330	337	329	334	338	351	347	348	346	355	19	28	32	29	14	16	11	352
29	348	348	316	297	102	105	49	71	93	53	26	360	18	56	60	63	71	68	65	71	74	91	89	96
30	85	87	35	43	51	59	69	37	70	77	72	56	26	6	2	11	318	236	331	324	292	326	12	320
31	337	356	49	100	163	120	127	126	204	351	4	4	20	9	310	86	61	339	354	294	241	248	280	272

TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744      VALID DATA RECOVERY RATE = 100.0%      OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING      CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 3/ 1/1993 TO : 3/31/1993

SIGMA THETA (DEGREES)  
MARCH - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	64	8	28	15	21	18	14	11	9	25	17	12	13	14	13	13	7	14	13	10	27	21	13	9	17
2	10	28	10	9	13	6	5	8	23	53	21	18	12	8	8	6	24	17	60	36	11	18	33	6	19
3	51	8	7	17	21	7	8	6	20	19	43	25	30	24	24	16	9	9	7	25	20	14	32	38	20
4	9	17	17	36	14	15	68	21	48	32	43	35	36	44	33	42	18	20	7	8	8	5	4	3	24
5	15	13	10	9	30	12	5	21	11	33	45	20	17	11	16	14	23	15	11	17	8	13	18	12	17
6	17	16	37	20	11	29	39	26	53	34	54	20	10	13	20	13	7	19	20	7	16	8	4	6	21
7	3	4	7	4	4	6	4	9	7	16	29	32	33	23	23	10	6	4	3	6	7	39	28	46	15
8	22	11	25	5	19	4	3	11	8	11	39	21	33	14	9	6	5	4	5	5	5	7	10	8	12
9	6	10	5	14	24	10	26	10	9	16	9	12	13	19	9	32	14	19	67	62	18	9	16	7	18
10	5	5	5	13	6	8	12	8	7	11	10	17	28	18	14	15	9	14	9	5	4	6	9	6	10
11	6	13	7	8	8	5	4	5	6	6	6	6	7	10	14	14	11	9	6	5	7	8	12	11	8
12	8	5	10	14	8	15	42	35	36	17	21	10	15	23	28	30	20	7	9	8	7	6	4	8	16
13	10	10	16	12	8	18	16	50	25	17	8	36	9	14	13	29	15	9	9	9	12	7	6	18	16
14	20	7	9	16	15	16	15	26	17	23	22	25	27	62	44	41	40	24	12	13	17	7	13	9	22
15	14	25	19	17	8	23	39	12	8	9	9	10	9	13	9	11	11	13	11	22	24	61	40	55	20
16	20	55	39	19	10	23	10	17	8	22	17	16	14	12	8	8	11	6	10	8	7	5	9	6	15
17	8	22	16	13	17	16	13	13	8	15	16	20	56	54	27	21	14	16	9	13	10	8	64	13	20
18	21	35	45	19	53	57	42	28	27	15	37	17	16	14	16	21	39	26	11	11	20	38	51	66	30
19	5	16	4	4	6	7	3	12	53	25	43	58	17	15	16	12	10	5	9	7	4	44	16	12	17
20	8	20	41	10	18	35	34	18	50	57	26	19	21	22	22	12	8	10	26	26	63	15	46	36	27
21	38	50	52	50	56	14	12	43	17	9	57	24	23	15	12	8	7	13	13	14	43	38	23	13	27
22	22	17	14	8	15	12	7	12	16	66	31	43	49	27	34	48	37	25	9	6	4	10	5	3	22
23	5	3	3	4	4	8	6	5	6	13	37	43	61	54	52	45	28	37	22	13	23	23	10	5	21
24	7	3	4	3	4	3	3	6	11	25	41	57	39	33	33	23	24	9	13	11	27	9	11	3	17
25	8	7	12	11	9	10	4	4	8	72	60	29	19	18	17	14	8	7	17	2	12	12	14	19	16
26	17	13	10	13	9	11	17	26	19	62	51	50	25	48	19	27	10	16	26	12	9	6	5	5	21
27	6	5	5	9	6	5	5	5	8	8	9	8	11	13	7	8	5	6	11	14	27	11	11	9	9
28	14	4	5	5	9	6	7	12	11	5	4	16	14	14	14	14	12	6	5	8	8	7	9	14	9
29	21	18	6	14	40	32	14	9	21	20	28	29	34	13	8	10	12	9	10	5	4	8	10	6	16
30	9	9	8	12	10	13	9	17	15	7	12	21	18	17	21	29	38	7	33	17	13	22	14	28	17
31	6	19	19	9	29	34	16	34	37	27	20	17	13	29	34	23	48	30	25	31	9	31	31	11	24
HOURLY																									
MEAN	15	15	16	13	16	16	16	17	19	25	28	25	23	23	20	20	17	14	16	14	15	17	18	16	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	64	60	51	68	45	54	46	39	67	28	14	42	50	62	61	55	64	66	58	63	57	66	61	57	72
MIN	7	5	6	3	5	4	3	3	5	4	4	4	6	7	8	5	8	11	3	8	7	3	3	3	2
DAY	26	27	28	29	30	31																			
MAX	62	27	16	40	38	48																			
MIN	5	5	4	4	7	6																			

MONTHLY AVERAGE = 18.1    MONTHLY MAXIMUM = 71.5    MONTHLY MINIMUM = 2.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 3/ 1/1993 TO : 3/31/1993

TEMPERATURE (DEGREES F)  
MARCH - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	31.3	30.3	28.6	28.5	29.1	28.7	28.8	29.2	32.8	37.6	40.9	43.8	44.4	44.9	43.9	44.8	44.8	42.2	39.3	38.9	37.2	36.5	36.1	35.9	36.6
2	35.1	32.7	31.1	28.9	29.0	28.5	27.9	29.6	37.0	44.6	46.8	47.7	48.9	48.5	47.8	45.6	44.4	42.9	41.6	40.2	36.2	35.1	35.1	36.0	38.4
3	34.0	31.5	31.1	32.6	29.1	28.3	27.3	28.6	33.1	35.5	37.9	38.7	40.3	41.0	41.3	41.1	40.4	37.8	34.3	32.5	31.3	31.7	30.7	31.1	34.2
4	30.9	31.6	31.3	31.1	31.4	30.6	28.6	31.7	34.7	35.6	37.2	38.5	40.3	41.6	42.8	43.2	42.7	40.9	37.0	32.1	30.5	32.2	30.2	29.7	34.8
5	29.3	28.6	29.1	28.2	28.5	27.3	28.8	31.4	38.8	46.3	50.1	50.5	50.4	51.0	51.4	51.8	49.5	45.3	42.7	41.4	39.5	38.5	37.9	38.9	39.8
6	38.9	39.9	42.5	43.9	42.8	41.0	39.7	39.1	39.9	41.9	43.9	47.4	50.0	51.5	52.2	52.2	50.3	48.8	44.3	43.1	42.7	42.0	39.8	38.5	44.0
7	37.5	38.3	38.0	38.1	37.3	37.0	37.0	40.0	45.8	51.8	56.6	58.5	60.0	61.3	62.2	61.9	60.2	57.5	54.8	52.5	51.4	51.4	52.2	50.0	49.6
8	51.3	51.4	50.9	52.1	47.9	44.8	45.2	51.0	53.0	56.6	59.9	62.5	64.2	65.2	63.9	62.6	61.5	60.4	57.3	55.4	53.8	54.3	53.3	53.0	55.5
9	52.9	52.6	50.9	49.6	48.0	44.7	45.1	46.6	53.6	56.2	57.8	58.9	58.9	57.6	42.3	44.7	52.2	50.7	47.0	44.5	38.4	33.9	31.5	31.1	47.9
10	31.6	31.6	31.5	31.2	31.0	31.3	31.7	32.4	33.7	35.4	37.6	40.4	42.3	44.0	44.3	43.9	42.3	36.6	32.1	31.3	30.5	30.2	29.1	28.5	34.8
11	27.9	27.2	26.9	25.9	25.8	25.7	25.4	25.4	25.3	26.2	26.9	27.1	28.1	28.4	28.7	27.9	27.5	25.2	22.5	19.9	18.7	17.8	17.2	17.3	24.8
12	17.2	16.6	16.5	16.8	16.2	15.1	14.3	16.1	18.9	17.1	18.3	18.4	19.8	22.0	23.4	21.6	22.0	20.6	18.2	16.6	14.9	14.6	12.4	10.4	17.4
13	7.8	9.9	11.4	11.5	11.8	11.9	12.9	14.9	18.4	23.8	29.7	37.1	40.3	41.8	43.5	43.4	42.5	40.0	36.6	33.6	30.7	28.7	29.4	30.1	26.7
14	29.4	28.0	27.0	27.1	27.6	26.5	27.3	30.0	38.1	45.3	46.9	49.2	52.3	55.5	56.7	56.3	57.1	54.9	51.5	47.5	46.9	44.3	41.8	41.2	42.0
15	41.4	40.1	39.4	43.6	43.8	44.3	42.7	46.2	48.7	50.9	52.4	53.5	54.4	54.9	55.8	55.5	54.2	51.9	49.9	49.9	49.3	48.2	47.0	48.9	48.6
16	48.3	45.8	42.2	42.5	39.6	41.5	41.1	39.1	38.7	38.3	38.5	41.0	43.5	43.5	41.7	40.2	36.5	31.5	30.0	28.6	25.2	24.5	25.1	25.9	37.2
17	24.9	24.5	24.1	23.3	23.4	23.4	23.6	23.6	23.9	24.3	25.0	26.7	30.5	33.7	35.6	34.4	32.5	32.2	30.8	28.6	27.5	27.0	26.6	27.0	27.4
18	27.5	26.6	25.9	25.9	26.4	26.6	27.2	27.9	29.6	36.5	44.3	45.6	51.2	52.7	53.2	55.4	56.1	55.0	51.4	49.3	47.7	48.4	45.8	44.9	40.9
19	47.0	40.1	38.2	38.1	37.1	36.9	37.7	42.5	48.8	50.7	53.4	55.1	55.2	55.7	57.3	58.2	57.9	55.3	50.8	48.1	47.2	45.8	41.2	35.3	47.2
20	32.8	33.0	33.2	33.2	32.9	33.0	33.5	34.2	37.3	40.6	43.8	44.3	48.2	51.5	54.4	54.5	52.1	50.7	47.9	46.3	45.3	43.3	42.8	41.0	42.1
21	41.5	39.6	38.5	40.2	36.4	37.3	37.2	39.6	40.9	45.3	49.7	49.7	52.0	52.6	52.1	51.0	48.6	46.5	43.1	41.1	39.0	38.7	37.8	37.5	43.2
22	36.1	32.5	30.4	30.5	29.0	28.9	29.6	33.2	39.2	46.1	47.9	49.7	50.9	52.7	53.7	54.7	55.0	53.4	51.3	49.3	46.6	43.7	41.7	40.2	42.8
23	39.2	39.5	38.9	38.5	37.9	37.4	37.6	43.6	51.0	58.8	63.6	66.4	68.5	68.9	70.0	69.5	69.0	67.2	62.9	59.5	57.0	56.7	53.9	50.3	54.4
24	45.7	44.3	43.2	42.1	41.9	41.0	40.9	45.8	52.7	59.7	64.3	65.9	66.7	67.5	68.6	69.2	68.9	67.0	61.5	55.5	52.4	54.1	52.0	50.3	55.0
25	48.9	47.0	45.5	44.4	43.5	43.2	44.5	49.0	56.1	63.0	66.2	67.1	67.8	68.8	70.1	70.9	71.2	67.9	61.9	56.5	57.5	59.3	55.2	53.5	57.5
26	55.0	53.7	50.6	48.0	47.2	45.7	45.8	48.9	53.5	58.2	62.9	66.9	68.7	70.6	71.4	69.0	60.8	59.5	58.0	54.6	54.1	54.1	54.0	53.9	56.9
27	53.8	51.2	52.7	52.0	51.5	51.2	51.5	51.4	51.5	52.1	53.7	53.6	54.7	54.3	49.9	48.4	47.6	43.3	40.0	39.7	37.4	37.3	37.7	36.3	48.0
28	35.4	35.8	36.2	35.8	35.9	35.5	35.3	35.1	37.2	38.0	38.7	41.8	45.4	47.4	48.1	48.7	48.1	46.2	42.4	41.4	40.1	39.4	39.0	38.5	40.2
29	38.4	38.2	38.0	37.8	37.9	37.9	37.8	38.3	39.6	40.8	42.6	44.0	44.1	44.3	45.0	45.7	45.4	45.1	43.5	41.6	40.5	38.9	38.4	38.0	40.9
30	38.3	37.9	37.2	36.4	36.1	36.5	36.5	37.1	37.7	37.0	37.0	39.7	40.4	40.0	40.0	37.9	36.3	36.3	35.4	35.0	35.6	36.3	35.8	35.2	37.2
31	34.7	33.3	32.3	31.3	30.5	30.0	31.1	33.0	37.6	39.6	41.7	44.2	42.7	41.2	39.5	36.9	36.4	36.9	35.0	33.4	32.9	34.0	34.6	34.2	35.7
HOURLY																									
MEAN	36.9	35.9	35.3	35.1	34.4	33.9	34.0	35.9	39.6	43.0	45.7	47.5	49.2	50.1	50.0	49.7	48.8	46.8	43.7	41.5	39.9	39.4	38.2	37.5	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	44.9	48.9	41.3	43.2	51.8	52.2	62.2	65.2	58.9	44.3	28.7	23.4	43.5	57.1	55.8	48.3	35.6	56.1	58.2	54.5	52.6	55.0	70.0	69.2	71.2
MIN	28.5	27.9	27.3	28.6	27.3	38.5	37.0	44.8	31.1	28.5	17.2	10.4	7.8	26.5	39.4	24.5	23.3	25.9	35.3	32.8	36.4	28.9	37.4	40.9	43.2
DAY	26	27	28	29	30	31																			
MAX	71.4	54.7	48.7	45.7	40.4	44.2																			
MIN	45.7	36.3	35.1	37.8	35.0	30.0																			

MONTHLY AVERAGE = 41.3    MONTHLY MAXIMUM = 71.4    MONTHLY MINIMUM = 7.8  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 3/ 1/1993 TO : 3/31/1993

BAROMETRIC PRESSURE (INCHES)  
MARCH - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
2	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.6
3	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.8
4	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.0	25.0	25.0	25.0	25.0	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
5	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
6	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
7	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8
9	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
10	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9
11	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9
12	25.0	25.0	25.0	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.0	25.0	25.1
13	25.0	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8
14	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6
15	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.5
16	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	25.0	25.0	25.0	25.0	25.0	24.8
17	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8
18	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.6
19	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.8
20	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.9	24.9	24.9	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.9
21	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.7
22	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9
23	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8
24	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
25	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
26	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
27	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.5
28	24.4	24.4	24.4	24.4	24.4	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.5
29	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
30	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.7
31	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.8
HOURLY																									
MEAN	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	24.7	24.7	24.9	25.0	24.9	24.9	24.9	24.8	24.9	24.9	25.0	25.1	25.0	24.7	24.6	25.0	24.9	24.7	25.0	25.0	24.9	24.9	24.8	24.8	24.8
MIN	24.6	24.6	24.7	24.9	24.8	24.9	24.8	24.7	24.7	24.8	24.8	25.0	24.7	24.5	24.5	24.6	24.7	24.6	24.7	24.7	24.7	24.8	24.7	24.7	24.7
DAY	26	27	28	29	30	31																			
MAX	24.7	24.5	24.6	24.6	24.8	24.9																			
MIN	24.5	24.4	24.4	24.6	24.6	24.8																			

MONTHLY AVERAGE = 24.8    MONTHLY MAXIMUM = 25.1    MONTHLY MINIMUM = 24.4  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMP  
SITE 4 FROM : 3/ 1/1993 TO : 3/31/1993

PRECIPITATION (.01 INCHES)  
MARCH - 1993

DAY	HOUR																								DAILY TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	2	0	0	0	0	0	8
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	3	0	0	0	0	0	8

MONTHLY TOTAL (INCHES)= .20 MONTHLY MAXIMUM (INCHES)= .05  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744 VALID DATA RECOVERY RATE = 100.0% OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING CAL IS CALIBRATION CODE



ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 1 FROM : 3/ 1/1993 TO : 3/31/1993

RELATIVE HUMIDITY (PERCENT)  
MARCH - 1993

HOUR																									DAILY	
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	94.8	95.9	99.2	99.2	98.8	98.6	98.5	97.9	97.8	84.1	58.7	52.3	51.8	57.4	59.4	56.5	52.1	58.0	73.1	77.6	80.0	82.8	90.5	91.5	79.4	
2	74.0	84.0	92.3	96.9	96.4	95.9	94.9	92.1	71.6	41.8	23.1	22.5	24.3	24.6	28.0	34.6	36.8	39.0	35.2	31.8	47.2	51.3	51.1	48.8	55.8	
3	49.7	54.3	56.3	52.7	62.1	71.4	74.2	78.7	67.8	53.9	48.1	43.0	32.7	28.3	26.2	25.5	25.4	31.0	42.3	46.7	47.6	49.6	49.6	48.1	48.5	
4	47.7	48.5	51.9	52.9	49.3	45.5	47.0	45.6	33.7	26.5	24.2	22.1	21.4	21.2	21.0	20.6	21.0	23.1	32.2	47.3	51.6	45.5	46.8	48.1	37.3	
5	47.6	49.0	48.1	48.9	48.6	52.5	50.3	47.4	36.8	20.8	17.3	17.2	17.3	17.4	18.0	19.4	23.3	33.1	39.1	42.2	45.6	47.9	51.8	51.0	37.1	
6	50.0	48.2	46.0	40.6	41.0	45.1	47.7	49.8	50.3	48.6	47.0	42.5	34.5	30.7	29.0	27.4	30.9	34.5	44.1	46.8	46.3	48.5	51.5	54.3	43.1	
7	57.0	53.8	51.0	49.2	49.1	48.9	48.6	46.2	39.5	27.8	17.4	16.2	15.4	15.1	14.9	15.0	15.4	16.0	16.7	17.3	17.7	17.8	17.5	17.8	29.2	
8	18.1	17.8	17.8	18.1	19.8	25.5	24.7	20.7	18.6	17.0	15.5	14.9	14.5	14.4	14.6	14.8	15.0	15.3	15.8	16.2	16.7	16.6	16.9	17.1	17.3	
9	17.1	17.4	17.9	18.4	18.5	19.3	19.6	19.9	17.5	16.4	16.1	15.6	15.6	16.4	53.8	51.2	27.3	26.3	35.8	34.5	60.2	91.8	97.3	96.0	34.2	
10	88.1	71.5	67.8	64.4	61.3	59.7	57.9	61.5	67.2	63.9	62.0	59.9	57.8	54.0	51.2	50.6	54.1	69.4	95.7	99.3	99.9	100.0	100.0	100.0	71.6	
11	101.0	101.1	101.1	101.1	101.1	101.1	101.1	101.1	100.0	81.0	1.1	99.3	98.8	98.0	96.5	95.3	95.2	97.9	99.5	99.2	99.0	99.1	99.4	99.5	99.9	99.4
12	100.0	99.8	99.7	97.3	87.9	82.3	81.6	80.1	67.1	60.3	58.8	59.7	60.0	58.0	52.3	65.8	56.6	50.6	58.5	60.5	64.5	72.8	75.6	79.2	72.0	
13	82.0	80.1	80.7	80.8	80.6	81.1	82.5	82.8	77.7	63.2	48.4	37.9	30.4	29.1	24.6	25.8	27.2	31.2	44.0	48.0	54.1	60.6	59.1	59.7	57.1	
14	63.1	65.5	67.8	67.6	64.0	64.3	64.4	64.1	52.2	31.8	30.7	21.4	18.4	17.0	16.6	16.8	16.4	17.2	19.0	22.9	25.4	33.5	40.4	43.1	39.3	
15	42.6	42.5	45.0	39.7	37.9	41.2	41.3	42.7	34.7	24.4	20.0	18.3	17.6	17.2	16.6	16.7	17.0	17.7	18.9	20.0	20.0	20.8	24.4	21.3	27.4	
16	21.4	23.4	30.9	34.2	36.4	38.5	37.2	42.1	50.6	56.8	66.8	65.9	62.3	64.0	72.4	78.3	84.5	93.9	96.9	97.2	98.2	100.0	100.0	99.7	64.7	
17	99.0	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.2	
18	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	65.5	
19	32.4	38.1	47.6	47.7	49.5	49.7	49.2	46.4	35.5	31.0	23.9	20.3	19.3	18.6	17.3	16.4	16.3	17.0	18.6	20.1	20.5	23.8	46.7	82.0	32.8	
20	95.9	98.0	98.1	98.3	98.7	98.6	98.0	96.9	92.6	78.9	70.3	70.3	68.2	58.7	49.2	45.8	49.7	53.3	61.2	70.1	75.5	85.5	87.3	91.6	78.8	
21	93.9	96.4	96.8	96.6	97.2	97.5	97.0	93.8	90.3	71.5	47.2	43.1	25.1	19.6	19.4	20.5	22.5	26.0	42.0	51.5	62.0	64.0	65.6	65.3	62.7	
22	67.4	76.0	88.6	93.0	95.8	96.4	96.2	94.1	78.9	44.0	26.3	20.6	19.1	18.5	18.0	17.3	17.2	17.4	18.1	18.7	20.5	28.0	36.0	40.4	47.8	
23	43.5	45.1	46.2	45.6	46.8	45.3	45.7	38.5	23.0	16.3	14.6	14.1	13.7	13.5	13.4	13.3	13.5	14.0	14.8	15.7	16.3	16.2	16.7	17.3	25.1	
24	19.5	20.1	21.3	24.3	25.1	25.7	27.4	22.8	17.6	15.5	14.5	14.1	14.0	13.8	13.7	13.6	13.5	14.0	15.0	16.4	17.6	16.9	17.5	18.1	18.0	
25	18.4	18.9	19.1	19.8	20.1	20.5	20.3	19.0	16.8	15.0	14.1	13.9	13.8	13.6	13.4	13.2	13.1	13.7	15.0	16.0	16.0	15.7	16.3	16.6	16.3	
26	16.6	16.8	18.7	22.3	29.6	40.0	36.0	33.0	24.7	18.5	16.7	16.2	15.1	13.8	13.2	14.0	20.5	22.1	24.2	30.4	33.3	32.1	36.9	41.3	24.4	
27	40.8	44.3	43.3	43.3	44.0	45.4	45.4	46.0	46.8	48.3	45.6	46.3	45.6	46.3	74.1	81.9	82.6	81.5	88.7	93.8	97.0	99.2	98.8	99.3	63.7	
28	99.8	100.0	99.9	99.6	99.5	99.4	99.6	99.7	99.2	97.9	97.8	95.2	80.2	68.9	63.4	59.6	59.4	69.1	88.3	94.2	94.9	95.8	96.7	97.4	89.8	
29	97.8	97.7	97.4	97.4	98.2	98.2	98.4	98.0	96.2	92.2	84.6	77.7	73.5	71.3	68.7	67.1	66.1	66.5	76.7	90.0	93.1	96.9	98.3	98.8	87.5	
30	98.6	98.4	98.7	99.2	99.7	99.1	98.8	98.5	97.1	96.6	97.3	94.2	90.6	92.5	93.3	95.3	99.0	99.0	99.4	98.9	98.7	97.2	97.0	97.3	97.3	
31	96.3	96.0	95.4	95.6	95.0	95.8	95.7	95.0	91.0	77.7	75.5	65.2	64.7	76.2	82.5	94.4	98.4	97.3	98.1	99.6	100.0	99.5	96.5	93.5	90.6	
HOURLY																										
MEAN	63.7	64.5	66.0	66.0	66.3	67.3	67.1	66.3	61.1	52.9	46.8	43.9	40.6	39.2	40.4	41.3	41.6	43.9	49.9	53.2	56.4	59.4	61.9	63.6		

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	99.2	96.9	78.7	52.9	52.5	54.3	57.0	25.5	97.3	101.1	101.1	101.0	82.8	67.8	45.0	100.0	101.1	101.1	82.0	98.7	97.5	96.4	46.8	27.4	20.5
MIN	51.8	22.5	25.4	20.6	17.2	27.4	14.9	14.4	15.6	50.6	95.2	50.6	24.6	16.4	16.6	21.4	75.9	29.5	16.3	45.8	19.4	17.2	13.3	13.5	13.1
DAY	26	27	28	29	30	31																			
MAX	41.3	99.3	100.2	98.8	99.7	100.0																			
MIN	13.2	40.8	59.4	66.1	90.6	64.7																			

MONTHLY AVERAGE = 55.1 MONTHLY MAXIMUM = 101.3 MONTHLY MINIMUM = 13.1  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744 VALID DATA RECOVERY RATE = 100.0% OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 1 FROM : 3/ 1/1993 TO : 3/31/1993

MAXIMUM WIND SPEED (MPH)  
MARCH - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	3.3	7.7	6.0	4.7	6.0	7.0	7.8	8.4	9.1	7.7	13.4	16.2	16.6	16.5	16.5	12.8	10.4	9.3	10.1	6.6	5.3	5.4	6.2	6.8	9.2
2	6.1	8.9	10.9	11.4	11.9	12.4	11.6	7.7	10.7	8.1	12.8	21.7	28.6	33.1	32.7	29.6	20.0	18.1	15.9	13.2	12.6	7.8	5.0	5.0	14.8
3	8.9	9.7	9.2	7.8	9.7	9.4	10.5	9.3	9.7	10.5	12.3	16.8	15.4	17.1	20.8	21.5	20.4	19.1	10.8	10.6	9.7	7.3	6.3	10.7	12.2
4	11.0	16.1	11.1	13.2	20.5	13.2	10.2	5.5	12.5	12.4	12.0	11.2	11.3	12.8	12.2	12.8	8.4	7.7	12.0	13.2	12.3	10.6	9.6	10.0	11.7
5	10.3	9.7	9.1	9.8	7.9	10.3	10.0	9.0	12.3	10.0	11.6	16.4	16.1	25.2	25.1	21.8	20.8	13.2	12.1	10.7	14.3	16.4	11.0	10.3	13.5
6	18.3	15.7	19.9	21.8	14.8	23.0	7.9	5.9	6.7	7.2	7.6	25.4	31.7	31.3	23.2	24.0	18.9	14.1	11.1	11.4	10.1	9.7	12.4	14.9	16.1
7	16.4	14.1	14.2	13.6	11.8	12.3	11.9	14.1	13.0	11.6	12.5	19.8	13.8	23.2	21.1	28.9	32.0	26.1	24.9	22.6	18.4	12.3	10.6	12.5	17.1
8	16.8	19.5	15.5	19.0	18.3	17.7	16.9	20.9	20.7	17.4	16.3	28.9	31.9	36.3	36.1	26.8	20.7	22.1	21.5	25.5	32.8	36.9	24.0	27.5	23.7
9	32.3	22.8	24.8	19.8	22.1	22.6	17.9	18.1	26.3	29.9	38.3	43.8	37.9	40.1	41.9	19.6	28.8	24.5	8.9	11.4	21.1	14.7	10.1	13.7	24.6
10	15.3	14.4	15.2	11.9	13.1	7.7	10.2	11.4	16.4	17.5	17.7	19.1	15.0	19.9	17.1	18.6	25.1	24.1	24.0	19.9	16.6	17.2	13.0	10.6	16.3
11	8.1	8.9	12.4	12.0	12.9	12.5	14.9	16.6	19.1	17.5	19.5	16.8	17.6	16.5	16.8	13.9	16.4	27.5	34.3	31.2	24.7	21.3	17.8	17.4	17.8
12	19.1	16.7	10.6	11.7	10.5	7.9	5.4	5.2	7.9	12.9	11.1	12.4	12.5	10.5	9.9	9.6	14.6	18.6	17.2	11.7	9.8	9.7	9.4	10.1	11.5
13	9.8	10.1	7.6	6.5	5.2	3.9	2.9	10.9	8.0	11.8	13.9	12.8	21.8	20.0	19.7	16.5	12.5	10.1	9.7	14.0	12.5	15.6	15.9	12.4	11.8
14	13.1	12.7	10.4	11.1	9.8	9.3	9.3	9.5	14.8	19.1	9.6	14.2	18.6	10.2	13.9	11.9	8.0	8.4	12.0	11.1	15.1	12.8	12.2	16.2	12.2
15	13.3	16.3	18.4	14.3	9.7	11.1	10.9	14.6	22.6	30.1	31.6	37.9	37.1	33.7	34.4	32.5	22.1	24.4	24.8	14.3	10.3	8.4	13.6	33.3	21.6
16	24.3	11.4	14.7	14.7	16.5	12.5	11.4	19.9	22.2	23.1	13.1	16.9	18.9	25.2	25.8	22.9	26.0	23.8	15.1	15.6	16.2	13.3	11.7	10.7	17.7
17	11.1	10.1	8.3	7.2	8.1	8.7	9.4	10.6	10.8	8.3	8.0	8.5	8.3	7.7	13.1	14.9	12.6	12.4	8.8	9.6	7.4	6.2	6.4	6.6	9.3
18	7.9	8.1	8.8	9.3	4.9	4.8	3.9	7.2	5.6	11.6	13.3	13.9	15.9	17.4	15.7	16.0	13.9	20.2	15.6	10.9	9.3	7.3	5.7	4.1	10.5
19	8.6	13.7	12.9	11.6	10.7	13.4	10.4	10.8	11.1	13.8	13.0	12.8	26.7	25.8	25.0	25.2	26.4	25.1	17.8	12.9	12.9	12.9	18.7	15.2	16.2
20	13.8	9.4	7.7	8.1	6.9	3.7	7.8	10.4	7.6	9.0	13.2	13.1	15.0	15.4	15.3	17.5	15.6	12.4	8.8	10.9	12.4	10.9	6.7	7.8	10.8
21	8.6	9.5	9.7	11.3	13.1	19.4	20.7	8.3	9.6	21.0	25.6	22.9	21.9	24.1	32.6	28.3	30.6	32.9	26.4	24.8	8.7	6.8	10.3	4.6	18.0
22	4.3	8.5	10.1	8.7	10.8	9.7	9.3	10.3	9.2	7.4	13.7	14.7	17.3	14.1	14.6	11.5	8.3	7.1	8.4	11.7	11.6	11.6	12.4	10.1	10.6
23	12.6	14.8	14.1	13.6	14.9	13.4	12.9	16.7	18.8	12.9	9.7	12.0	11.6	13.6	15.5	13.9	15.4	9.1	14.4	10.4	10.6	7.7	10.7	11.1	12.9
24	12.9	13.1	13.4	14.9	14.8	16.3	13.1	13.6	12.0	9.5	8.6	11.7	15.6	15.1	16.6	15.0	13.1	11.5	11.6	18.1	17.7	15.2	12.9	13.6	13.7
25	12.9	12.4	12.5	11.1	13.7	14.2	13.9	13.9	14.5	8.9	8.1	17.3	20.0	21.7	26.0	22.4	21.0	19.1	15.9	13.7	17.7	21.7	14.6	14.1	15.9
26	13.1	12.1	8.4	10.4	10.3	8.4	7.2	5.8	5.9	6.1	8.8	12.0	14.4	15.6	21.5	62.5	62.9	21.0	11.6	14.4	21.8	26.0	34.4	29.4	18.5
27	27.4	25.6	25.7	14.0	28.0	26.7	21.7	33.9	30.7	30.8	42.3	39.2	31.5	29.0	34.1	31.1	38.1	37.7	23.3	17.1	12.4	14.0	17.1	16.0	27.0
28	18.8	20.4	21.4	20.4	17.1	15.7	18.5	21.0	23.2	28.0	23.7	23.1	23.0	23.5	22.6	19.6	18.3	24.5	22.4	16.5	15.1	14.0	11.3	5.7	19.5
29	10.0	6.1	5.7	4.7	3.1	3.5	7.4	7.9	7.3	7.9	8.6	8.4	8.3	10.4	17.3	15.8	10.9	10.8	15.5	11.8	12.4	14.0	12.8	13.7	9.8
30	12.7	8.9	10.8	11.5	8.8	8.1	6.3	6.8	11.6	11.6	10.7	11.4	14.6	15.1	13.0	18.7	9.5	7.5	25.5	9.1	7.4	12.1	16.4	11.4	11.7
31	11.1	8.5	12.1	7.2	9.0	9.4	8.8	7.3	8.4	13.6	16.8	20.0	25.5	25.3	13.8	12.9	9.0	9.8	12.2	7.7	9.5	10.3	7.4	6.6	11.8
HOURLY MEAN	13.3	12.8	12.6	11.8	12.1	11.9	11.0	12.0	13.5	14.4	15.4	18.4	19.8	20.8	21.4	20.9	19.7	17.8	16.2	14.3	13.8	13.2	12.5	12.6	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
MAX	16.6	33.1	21.5	20.5	25.2	31.7	32.0	36.9	43.8	25.1	34.3	19.1	21.8	19.1	37.9	26.0	14.9	20.2	26.7	17.5	32.9	17.3	18.8	18.1	26.0		
MIN	3.3	5.0	6.3	5.5	7.9	5.9	10.6	15.5	8.9	7.7	8.1	5.2	2.9	8.0	8.4	10.7	6.2	3.9	8.6	3.7	4.6	4.3	7.7	8.6	8.1		
-----																											
										DAY	26	27	28	29	30	31											
										MAX	62.9	42.3	28.0	17.3	25.5	25.5											
										MIN	5.8	12.4	5.7	3.1	6.3	6.6											

MONTHLY AVERAGE = 15.1    MONTHLY MAXIMUM = 62.9    MONTHLY MINIMUM = 2.9  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 1 FROM : 3/ 1/1993 TO : 3/31/1993

10M-2M TEMPERATURE DIFFERENCE  
MARCH - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3.2	2.9	2.9	2.4	3.5	3.2	3.9	1.5	-.2	-.5	-1.3	-1.2	-.9	-1.1	-.9	-.5	-.1	1.4	2.7	3.1	3.2	5.3	4.8	6.5	1.8
2	8.7	5.8	4.4	3.0	3.4	2.9	2.2	.6	.0	-.4	-.8	-1.2	-1.4	-1.1	-.7	-.0	.1	.4	1.1	1.7	1.0	1.3	1.4	1.4	1.4
3	3.3	5.1	6.7	7.7	4.7	2.9	3.0	.5	-.3	-.5	-.7	-1.0	-1.0	-1.2	-1.1	-.8	-.1	.9	1.6	2.4	1.3	1.0	1.3	1.0	1.5
4	1.2	.6	.8	1.3	1.1	1.2	2.6	.4	-.6	-.8	-.8	-1.1	-1.0	-.8	-.8	-.6	-.0	1.3	3.5	3.1	2.9	7.2	8.8	5.0	1.4
5	4.8	5.3	6.1	3.2	5.1	6.1	4.7	.8	-.4	-.6	-.8	-1.1	-.7	-1.0	-1.0	-.6	-.2	1.8	5.1	2.7	1.9	.5	.7	1.2	1.8
6	1.3	.8	.9	1.1	1.0	1.0	1.0	.9	.1	-.1	-.4	-.9	-1.3	-1.5	-1.1	-.6	.1	.8	4.3	4.5	5.7	3.3	3.1	2.5	1.1
7	3.0	4.2	4.6	5.3	4.2	3.6	3.3	.5	-.4	-.5	-.9	-1.3	-1.2	-1.3	-1.1	-.8	.1	.9	1.2	1.5	3.0	4.3	3.5	3.3	1.6
8	3.6	2.2	2.3	2.4	3.1	2.7	2.2	.4	-.1	-.8	-.8	-1.4	-1.5	-1.3	-.6	.1	.6	.9	1.2	1.2	1.2	1.0	1.5	1.4	.9
9	1.1	1.7	1.5	2.2	2.3	1.9	1.3	1.7	.0	-1.0	-1.3	-1.6	-1.6	-1.6	-.8	.1	-.1	.7	3.5	2.7	1.7	.8	1.1	.2	.7
10	.1	.1	.1	.1	.1	.1	.1	-.0	-.4	-.6	-.7	-1.0	-1.0	-1.5	-1.4	-.8	-.5	.1	.0	-.0	-.0	.0	.2	.3	-.3
11	.2	.2	.1	.2	.3	.3	.3	.2	.1	-.1	-.1	-.3	-.5	-.5	-.5	-.1	-.1	.2	.1	.1	.1	.1	.1	.1	.0
12	.2	.2	.2	.6	.9	1.0	1.0	1.2	.5	.2	.1	.0	-.1	-.2	-.2	-.2	-.1	.1	.1	1.5	3.6	1.5	2.7	3.4	.8
13	2.0	1.9	1.9	1.9	1.0	.7	.2	-.1	-.2	-.5	-.6	-.6	-1.1	-1.3	-1.2	-.8	-.2	.8	3.0	3.8	2.7	2.7	2.2	2.4	.9
14	3.3	2.2	2.1	4.5	4.7	4.8	3.5	.2	-.4	-.7	-.7	-.6	-.9	-.8	-.7	-.3	-.1	1.0	6.6	8.4	3.7	1.9	3.9	2.9	2.0
15	2.9	4.9	2.5	5.7	6.6	7.6	4.5	.5	.6	-.9	-1.4	-1.6	-1.7	-1.6	-1.3	-.9	-.1	1.0	1.8	3.0	2.8	4.2	4.1	2.7	1.9
16	2.1	3.7	5.8	7.1	3.8	3.3	3.3	1.0	-.2	-.4	-.8	-1.2	-1.3	-1.2	-1.1	-.7	-.4	-.0	.0	.0	.0	.0	.0	.0	1.0
17	.0	.0	-.1	-.1	-.0	-.0	-.0	-.2	-.3	-.4	-.7	-.9	-.8	-.8	-1.1	-.8	-.5	.0	.5	2.0	2.6	1.7	2.0	.4	.1
18	.5	.3	.0	-.1	-.1	-.1	-.1	-.0	.4	-.7	-.9	-1.2	-1.3	-1.4	-1.2	-.6	-.3	.4	2.3	3.3	3.9	2.9	4.2	4.1	.6
19	7.7	6.5	4.3	3.5	4.1	4.7	2.3	-.0	-.7	-1.1	-1.1	-1.0	-1.6	-1.5	-1.3	-1.1	-.4	.6	2.1	4.6	4.5	4.4	2.7	1.0	1.8
20	.6	.1	.1	.1	.1	.1	.1	-.1	-.3	-.9	-1.3	-1.3	-1.3	-1.1	-1.6	-1.4	-.7	.3	2.3	3.3	3.2	3.5	4.4	6.2	.6
21	5.1	5.1	4.0	6.6	3.8	1.9	.6	.1	-.1	-1.0	-1.2	-1.4	-1.5	-1.6	-1.4	-.7	-.1	.3	.5	.6	2.0	4.2	1.7	2.9	1.3
22	2.7	7.4	6.3	6.3	4.3	4.6	3.5	-.2	-.4	-.7	-.9	-1.2	-1.2	-1.1	-.8	-.6	-.2	1.2	6.1	7.8	7.9	5.4	3.3	3.1	2.6
23	3.2	2.9	3.9	2.4	3.0	4.2	2.1	-.2	-.8	-.8	-.7	-.9	-1.2	-1.1	-.9	-.5	.0	.9	2.2	3.5	6.4	5.0	9.2	7.4	2.1
24	3.9	4.0	4.4	2.7	2.5	2.8	2.3	-.3	-.7	-.6	-.7	-.8	-.9	-1.1	-.7	-.4	.0	1.1	3.6	3.2	3.4	8.5	5.5	5.7	2.0
25	5.5	4.8	4.9	5.6	5.7	4.0	2.4	-.3	-.8	-.5	-.7	-.9	-1.0	-1.1	-.9	-.5	.0	1.1	3.9	4.4	4.1	1.8	5.7	9.0	2.3
26	7.4	7.9	6.8	5.8	5.0	5.0	3.2	-.0	-.3	-.3	-.5	-1.2	-1.4	-.5	-.8	.0	.1	.7	2.8	2.2	1.4	1.1	.6	.5	1.9
27	.7	.7	.8	1.5	.7	.6	.5	.1	-.3	-.6	-1.2	-1.1	-1.2	-1.3	-.4	-.5	-.2	.1	.2	.2	.9	.5	.3	.2	.1
28	.2	.2	.2	.4	.3	.1	.2	.0	-.2	-.2	-.4	-.9	-1.5	-1.6	-1.4	-1.0	-.3	.2	.3	.2	.4	.3	.7	.8	-.1
29	.5	.6	1.2	.8	.4	.3	.1	-.1	-.1	-.3	-.5	-.5	-.4	-.3	-.4	-.5	-.1	.2	.5	.3	.3	.2	.1	.1	.1
30	.1	.1	.1	.0	.1	.1	.1	-.0	-.0	-.1	-.2	-.4	-.4	-.3	-.3	-.1	.0	-.0	.2	.5	.7	.5	.5	.6	.1
31	.7	1.1	1.4	2.6	3.7	2.4	1.9	.2	-.3	-1.1	-1.4	-1.4	-.8	-.5	-.2	-.2	-.0	.1	.2	.2	.0	.8	1.6	1.8	.5
HOURLY																									
MEAN	2.6	2.7	2.6	2.8	2.6	2.4	1.8	.3	-.2	-.6	-.8	-1.0	-1.1	-1.1	-.9	-.5	-.1	.6	2.1	2.5	2.5	2.5	2.6	2.5	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	6.5	8.7	7.7	8.8	6.1	5.7	5.3	3.6	3.5	.3	.3	3.6	3.8	8.4	7.6	7.1	2.6	4.2	7.7	6.2	6.6	7.9	9.2	8.5	9.0
MIN	-1.3	-1.4	-1.2	-1.1	-1.1	-1.5	-1.3	-1.5	-1.6	-1.5	-.5	-.2	-1.3	-.9	-1.7	-1.3	-1.1	-1.4	-1.6	-1.6	-1.6	-1.2	-1.2	-1.1	-1.1
DAY	26	27	28	29	30	31																			
MAX	7.9	1.5	.8	1.2	.7	3.7																			
MIN	-1.4	-1.3	-1.6	-.5	-.4	-1.4																			

MONTHLY AVERAGE = 1.1    MONTHLY MAXIMUM = 9.2    MONTHLY MINIMUM = -1.7  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMP  
SITE 3 FROM : 3/ 1/1993 TO : 3/31/1993

SOLAR RADIATION (LANGLEYS/HR)  
MARCH - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	.0	.0	.0	.0	.0	.0	.0	.1	.5	.7	.9	1.0	.8	.9	.7	.5	.3	.0	.0	.0	.0	.0	.0	.0	.3
2	.0	.0	.0	.0	.0	.0	.0	.2	.6	.7	1.0	1.1	1.1	1.0	.8	.2	.1	.0	.0	.0	.0	.0	.0	.0	.3
3	.0	.0	.0	.0	.0	.0	.0	.3	.6	.8	1.0	1.1	1.1	1.0	.8	.6	.3	.1	.0	.0	.0	.0	.0	.0	.3
4	.0	.0	.0	.0	.0	.0	.0	.2	.5	.8	1.0	1.1	1.1	1.0	.9	.6	.3	.1	.0	.0	.0	.0	.0	.0	.3
5	.0	.0	.0	.0	.0	.0	.0	.3	.6	.8	1.0	1.1	.7	.9	.8	.6	.3	.1	.0	.0	.0	.0	.0	.0	.3
6	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.4	.8	.9	.9	.6	.5	.2	.1	.0	.0	.0	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0	.2	.5	.8	1.0	1.1	1.1	1.0	.9	.6	.3	.1	.0	.0	.0	.0	.0	.0	.3
8	.0	.0	.0	.0	.0	.0	.0	.3	.4	.8	1.0	1.1	1.1	1.1	.7	.3	.2	.1	.0	.0	.0	.0	.0	.0	.3
9	.0	.0	.0	.0	.0	.0	.0	.1	.4	.8	1.1	1.2	1.2	1.2	.7	.2	.3	.1	.0	.0	.0	.0	.0	.0	.3
10	.0	.0	.0	.0	.0	.0	.0	.1	.2	.4	.7	1.0	.7	.8	.7	.4	.2	.1	.0	.0	.0	.0	.0	.0	.2
11	.0	.0	.0	.0	.0	.0	.0	.1	.3	.5	.5	.6	.6	.4	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.3	.6	.9	1.1	1.3	1.3	1.2	.9	.5	.4	.1	.0	.0	.0	.0	.0	.0	.4
13	.0	.0	.0	.0	.0	.0	.1	.2	.4	.7	.8	1.1	1.2	1.1	.9	.7	.3	.1	.0	.0	.0	.0	.0	.0	.3
14	.0	.0	.0	.0	.0	.0	.1	.4	.6	.8	.7	.9	1.1	1.1	.8	.5	.4	.1	.0	.0	.0	.0	.0	.0	.3
15	.0	.0	.0	.0	.0	.0	.0	.3	.2	.8	1.1	1.2	1.2	1.1	1.0	.7	.3	.1	.0	.0	.0	.0	.0	.0	.3
16	.0	.0	.0	.0	.0	.0	.0	.2	.3	.4	.7	1.2	1.2	1.1	.9	.7	.3	.0	.0	.0	.0	.0	.0	.0	.3
17	.0	.0	.0	.0	.0	.0	.0	.1	.2	.3	.5	.7	.6	.8	.8	.3	.2	.1	.0	.0	.0	.0	.0	.0	.2
18	.0	.0	.0	.0	.0	.0	.0	.1	.3	.9	.8	.8	1.2	1.1	.9	.6	.3	.1	.0	.0	.0	.0	.0	.0	.3
19	.0	.0	.0	.0	.0	.0	.1	.3	.6	.9	.9	1.3	1.2	.9	.9	.7	.4	.1	.0	.0	.0	.0	.0	.0	.3
20	.0	.0	.0	.0	.0	.0	.0	.1	.5	.8	1.0	.9	1.0	.8	.9	.6	.4	.1	.0	.0	.0	.0	.0	.0	.3
21	.0	.0	.0	.0	.0	.0	.0	.2	.3	.9	1.0	1.0	1.2	1.0	1.0	.6	.3	.1	.0	.0	.0	.0	.0	.0	.3
22	.0	.0	.0	.0	.0	.0	.1	.5	.7	.9	1.1	1.3	1.2	1.2	1.0	.7	.4	.1	.0	.0	.0	.0	.0	.0	.4
23	.0	.0	.0	.0	.0	.0	.1	.4	.7	1.0	1.2	1.3	1.3	1.2	1.0	.7	.4	.1	.0	.0	.0	.0	.0	.0	.4
24	.0	.0	.0	.0	.0	.0	.1	.4	.7	1.0	1.2	1.3	1.3	1.2	1.0	.7	.4	.1	.0	.0	.0	.0	.0	.0	.4
25	.0	.0	.0	.0	.0	.0	.1	.4	.7	1.0	1.1	1.2	1.3	1.2	1.0	.7	.4	.1	.0	.0	.0	.0	.0	.0	.4
26	.0	.0	.0	.0	.0	.0	.1	.2	.5	.6	.8	1.1	1.1	.6	.7	.3	.2	.1	.0	.0	.0	.0	.0	.0	.3
27	.0	.0	.0	.0	.0	.0	.1	.2	.3	.5	.8	.8	1.0	.9	.3	.5	.2	.1	.0	.0	.0	.0	.0	.0	.2
28	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.3	.8	1.2	1.2	.7	.5	.2	.1	.0	.0	.0	.0	.0	.0	.2
29	.0	.0	.0	.0	.0	.0	.0	.2	.2	.3	.6	.4	.3	.2	.4	.5	.1	.1	.0	.0	.0	.0	.0	.0	.1
30	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.5	.3	.2	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.1
31	.0	.0	.0	.0	.0	.0	.2	.4	.8	1.0	1.2	1.0	.6	.5	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.3
HOURLY MEAN	.0	.0	.0	.0	.0	.0	.0	.2	.4	.7	.9	1.0	1.0	.9	.8	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	1.0	1.1	1.1	1.1	1.1	.9	1.1	1.1	1.2	1.0	.6	1.3	1.2	1.1	1.2	1.2	.8	1.2	1.3	1.0	1.2	1.3	1.3	1.3	1.3
MIN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

  

DAY	26	27	28	29	30	31
MAX	1.1	1.0	1.2	.6	.5	1.2
MIN	.0	.0	.0	.0	.0	.0

MONTHLY AVERAGE = .3    MONTHLY MAXIMUM = 1.3    MONTHLY MINIMUM = .0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 3/ 1/1993 TO : 3/31/1993

OZONE (PPB)  
MARCH - 1993

DAY	HOUR																								DAILY
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	28	31	4	17	28	4	4	5	10	CAL	CAL	CAL	CAL	CAL	55	58	54	53	45	53	42	52	51	15	32
2	1	3	2	1	1	1	1	4	9	20	37	40	41	44	45	42	42	40	37	34	40	41	40	40	25
3	36	34	34	40	12	1	1	7	24	35	41	43	48	49	50	49	48	45	39	34	32	34	35	35	34
4	35	31	26	23	31	37	31	29	34	39	41	44	45	46	48	48	48	43	37	27	22	7	2	10	33
5	3	5	1	1	4	3	3	5	12	27	46	49	48	49	49	47	46	42	34	31	27	39	30	33	26
6	26	30	28	34	32	27	26	28	31	33	32	36	41	42	43	42	41	36	32	17	4	1	1	1	28
7	1	1	4	1	3	10	11	17	25	29	44	46	48	48	49	48	46	43	41	39	36	30	29	27	28
8	33	39	36	34	11	13	10	9	13	23	35	44	44	45	45	44	43	42	40	40	42	46	46	46	34
9	46	47	45	42	29	14	20	15	31	45	48	49	49	47	37	38	42	31	25	26	27	25	25	28	35
10	31	34	35	34	36	30	33	28	30	32	32	33	35	39	41	41	CAL	32	29	28	28	26	25	25	32
11	24	24	25	26	25	26	25	26	30	31	31	30	32	33	34	31	33	31	34	38	40	38	38	39	31
12	40	39	37	36	34	31	33	34	37	37	39	42	45	47	48	45	43	42	39	38	30	21	15	16	36
13	24	19	7	3	1	1	3	8	14	24	30	30	43	43	45	42	42	37	33	32	23	26	27	10	24
14	10	3	2	7	7	8	11	15	27	31	32	39	43	42	43	43	43	40	37	27	20	24	11	4	24
15	9	7	8	13	11	9	8	18	30	43	46	46	47	47	46	43	41	34	38	31	33	33	35	40	30
16	39	37	31	26	18	28	15	10	19	27	26	27	32	32	27	26	26	26	27	27	25	22	24	28	26
17	26	25	24	24	23	21	18	16	16	15	17	16	16	18	18	15	14	10	7	3	1	1	1	1	14
18	1	1	1	1	1	1	1	4	6	11	10	15	22	33	43	48	47	44	37	19	16	23	28	29	18
19	33	5	1	4	10	6	4	9	17	33	43	45	44	45	48	49	46	41	31	19	22	29	23	25	26
20	24	27	28	30	28	28	8	20	24	27	30	31	37	42	43	43	38	35	30	29	26	24	24	16	29
21	3	3	3	12	6	13	20	26	29	31	34	42	52	52	48	46	45	42	40	39	35	30	28	31	30
22	28	4	1	1	1	1	2	9	18	32	42	49	51	52	53	54	54	51	46	30	1	5	18	18	26
23	13	21	23	25	23	18	13	19	25	35	47	50	53	56	59	61	61	53	47	46	42	42	15	1	35
24	1	1	18	25	27	26	17	16	22	35	48	56	58	60	60	CAL	57	55	37	32	29	25	18	5	32
25	19	22	23	23	23	22	15	17	27	44	51	58	62	63	63	61	58	49	36	35	38	34	16	9	36
26	27	23	21	18	23	13	4	7	11	16	27	39	45	54	54	52	44	36	30	30	36	33	41	46	30
27	43	43	43	40	43	42	42	43	45	45	49	49	48	46	42	42	42	51	51	47	37	36	40	48	44
28	46	41	40	41	42	41	41	38	40	40	37	41	46	48	49	50	49	43	30	24	28	25	22	16	38
29	23	23	24	20	18	18	21	23	28	30	33	35	36	39	41	45	46	45	42	33	26	22	28	28	30
30	32	29	29	32	34	32	30	31	31	27	29	32	31	27	34	35	32	22	20	27	17	18	25	19	28
31	21	22	23	25	26	20	19	20	22	27	31	37	38	39	38	39	37	34	37	29	21	21	19	15	27
HOURLY																									
MEAN	23	22	20	21	20	18	16	18	24	31	36	40	43	44	45	44	44	40	35	31	27	27	25	23	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	58	45	50	48	49	43	49	46	49	41	40	48	45	43	47	39	26	48	49	43	52	54	61	60	63
MIN	4	1	1	2	1	1	1	9	14	25	24	15	1	2	7	10	1	1	1	8	3	1	1	1	9
DAY	26	27	28	29	30	31																			
MAX	54	51	50	46	35	39																			
MIN	4	36	16	18	17	15																			

MONTHLY AVERAGE = 29.7    MONTHLY MAXIMUM = 62.6    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 99.1%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM :12/ 1/1992 TO :12/31/1992

OZONE (PPB)  
DECEMBER - 1992

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	39	39	39	36	37	33	30	32	31	34	36	38	39	39	39	37	35	36	33	31	31	6	2	25	32
2	32	28	25	34	29	1	1	3	7	17	27	33	36	34	30	25	14	5	5	1	1	3	1	1	16
3	2	3	1	1	1	2	22	26	25	27	30	31	30	32	30	33	29	29	29	29	31	32	32	31	22
4	31	29	25	22	22	24	22	11	9	13	26	30	28	29	26	29	16	1	1	1	1	3	5	2	17
5	1	3	3	1	1	1	1	3	8	13	12	11	14	18	20	14	5	12	17	13	1	1	1	1	7
6	1	1	1	1	1	1	1	8	17	26	22	26	32	31	31	30	24	25	9	2	3	5	3	3	13
7	1	1	1	1	1	1	3	3	9	15	24	33	41	40	39	32	13	1	1	1	5	5	3	4	12
8	7	6	7	4	1	1	5	4	6	9	12	19	21	33	33	27	3	2	5	3	1	1	1	6	9
9	9	8	21	22	14	21	18	9	20	16	19	28	30	33	32	CAL	26	22	26	27	27	24	29	27	22
10	27	14	29	32	31	27	26	27	28	31	21	22	18	18	27	28	13	18	14	2	3	1	1	1	19
11	5	17	17	9	14	21	14	2	9	13	16	18	19	18	17	19	4	1	1	1	1	1	1	1	10
12	1	1	1	1	5	8	9	11	17	22	27	28	28	32	31	32	30	26	26	24	24	26	16	21	19
13	26	27	31	31	34	34	34	31	34	36	36	37	37	38	38	36	35	33	34	34	32	30	25	12	32
14	20	9	1	1	1	1	1	3	12	21	27	29	32	38	39	27	7	2	1	1	5	4	1	1	12
15	1	1	1	1	1	1	2	3	8	9	11	17	24	23	19	25	22	20	31	33	33	31	31	30	16
16	28	31	31	29	27	18	18	9	17	24	29	33	33	35	34	32	26	13	20	9	6	6	3	5	22
17	5	4	1	1	4	6	1	3	9	13	19	26	38	37	31	18	5	1	1	6	3	4	3	1	10
18	4	4	1	1	1	1	1	3	11	16	28	37	32	26	23	17	5	1	6	17	29	27	15	1	13
19	1	1	1	1	1	1	1	4	15	22	25	32	38	44	30	18	5	2	6	6	4	1	1	1	11
20	4	3	1	1	2	1	1	3	13	24	32	36	41	39	38	24	6	8	3	6	4	12	31	29	15
21	35	41	41	41	40	35	24	6	17	19	30	32	38	34	31	23	6	1	1	1	3	1	2	1	21
22	1	1	1	1	1	1	1	3	21	34	35	35	39	41	41	39	35	33	34	17	32	38	40	31	23
23	36	39	36	18	10	2	1	2	9	14	29	35	CAL	34	34	32	17	4	13	11	11	12	1	3	18
24	1	2	4	4	4	6	12	8	15	21	24	26	26	25	27	32	36	35	37	36	39	36	35	35	22
25	37	36	34	31	15	25	23	23	29	32	33	32	31	32	34	33	25	24	25	25	13	6	5	1	25
26	1	1	15	23	27	25	11	7	14	29	33	34	33	34	40	38	24	16	19	6	5	1	4	11	19
27	1	5	11	14	26	26	24	18	23	28	33	36	37	40	37	33	18	12	10	1	2	2	1	1	18
28	4	3	3	3	2	1	1	4	4	11	18	26	29	34	37	28	22	21	22	17	4	1	1	2	12
29	9	1	1	3	1	1	1	1	6	14	16	19	13	13	19	9	2	1	1	1	1	1	2	3	6
30	1	1	1	1	1	1	1	3	8	21	25	19	20	23	24	26	20	9	11	12	9	12	12	13	11
31	12	15	7	7	1	1	1	1	4	8	25	38	41	39	37	30	6	2	1	3	5	1	1	1	12
HOURLY MEAN	12	12	13	12	12	11	10	9	15	20	25	29	31	32	31	28	17	13	14	12	12	11	10	10	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	39	36	33	31	20	32	41	33	33	32	21	32	38	39	33	35	38	37	44	41	41	41	39	39	37
MIN	2	1	1	1	1	1	1	1	8	1	1	1	12	1	1	3	1	1	1	1	1	1	1	1	1
											DAY	26	27	28	29	30	31								
											MAX	40	40	37	19	26	41								
											MIN	1	1	1	1	1	1								

MONTHLY AVERAGE = 16.6    MONTHLY MAXIMUM = 43.6    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 99.7%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 3/ 1/1993 TO : 3/31/1993

CARBON MONOXIDE (PPM)  
MARCH - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	.7	.7	.8	.8	.8	1.0	1.3	2.7	2.5	1.5	CAL	CAL	.4	.4	.4	.4	.3	.4	.4	.4	.4	.4	.3	.8	.8
2	1.2	1.2	1.9	1.4	.9	.8	.9	1.4	2.0	1.3	.4	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.4
3	.3	.3	.3	.3	.6	.6	.9	1.4	.7	.3	.3	.3	.3	.3	.3	.3	.3	.4	.4	.4	.4	.7	.7	.6	.4
4	.3	.4	.4	.4	.4	.3	.4	.5	.4	.4	.3	.3	.3	.4	.4	.4	.4	.4	.3	.4	.5	.4	.3	.3	.4
5	.8	.7	1.0	.7	.6	1.1	1.4	2.1	1.7	1.0	.5	.4	.3	.4	.4	.4	.3	.4	.4	.4	.6	1.0	1.4	1.3	1.1
6	.5	.4	.3	.3	.4	.4	.4	.4	.4	.3	.4	.4	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.4	.4	.5
7	.8	.7	.6	.7	.6	.5	.5	.5	.6	.6	.4	.3	.3	.3	.3	.3	.3	.3	.4	.3	.3	.3	.3	.3	.4
8	.4	.3	.2	.3	.4	.4	.6	.8	1.0	1.0	.5	.4	.4	.3	.3	.3	.4	.4	.4	.5	.5	.5	.4	.4	.4
9	.2	.3	.3	.3	.4	.5	.5	.7	.4	.3	.3	.3	.3	.3	.4	.4	.4	CAL	.5	.5	.5	.4	.5	.4	.4
10	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.5	.5	.5	.4	.4	.5	.4
11	.4	.4	.4	.4	.4	.4	.5	.5	.5	.5	.4	.5	.5	.5	.5	.5	.5	.5	.4	.4	.4	.4	.5	.7	.7
12	.5	.5	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.5	.4	.4	.4	.5	.5	.5	.5	.9
13	.5	.6	.8	.9	.9	1.0	1.2	1.3	1.2	1.2	1.2	1.0	.6	.5	.5	.6	.6	.6	.5	.5	.5	.6	.6	.7	.8
14	.8	.9	.8	.7	.7	.6	.6	.7	.6	.6	.6	.5	.5	.4	.5	.5	.5	.5	.5	.4	.5	.5	.4	.4	.5
15	.7	.7	.6	.5	.5	.5	.7	.8	.6	.4	.4	.4	.4	.4	.4	.4	.4	.4	.5	.5	.5	.4	.5	.5	.5
16	.4	.4	.4	.4	.5	.5	.5	.5	.5	.4	.4	.4	.4	.4	.4	.5	.7	.6	.6	.6	.6	.6	.6	.6	.6
17	.4	.4	.4	.4	.5	.5	.5	.5	.5	.5	.6	.6	.7	.8	.7	.6	.5	.5	.5	.5	.7	.9	.7	.6	.8
18	.8	.8	.7	.7	.7	.7	.7	.7	1.0	2.0	2.2	1.4	.9	.8	.6	.5	.5	.4	.4	.4	.5	.6	.8	.7	.5
19	.5	1.4	1.1	.7	.6	.7	.9	1.4	1.3	.7	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
20	.4	.4	.4	.4	.4	.4	.5	.5	.5	.6	.5	.5	.5	.4	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
21	.7	.7	.7	.6	.6	.6	.5	.5	.5	.5	.6	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.8	1.4	1.3	.8
22	.4	.6	.7	.9	.8	.8	1.3	1.5	1.2	.8	.5	.5	.5	.5	.5	.5	.5	.5	.6	.6	.6	.6	.6	.9	1.4
23	.9	.7	.7	.6	.6	.6	.9	1.1	1.1	1.0	.7	.6	.5	.6	.6	.6	.6	.6	.6	.6	.6	.6	.7	.9	1.1
24	1.3	1.3	.7	.6	.6	.6	.8	1.2	1.3	1.0	.7	.6	.5	.5	.5	.5	.5	.5	.5	.6	.5	.6	.7	.8	1.0
25	.9	.8	.7	.7	.7	.7	.9	1.1	1.1	.7	.6	.5	.5	.5	.5	.5	.5	.6	.7	.7	.6	.6	.6	.6	.8
26	.7	.7	.7	.8	.7	.7	1.1	1.3	1.4	1.1	1.3	1.0	.8	.5	.5	.5	.6	.6	.5	.5	.5	.5	.5	.6	.5
27	.5	.5	.5	.5	.5	.5	.5	.5	.6	.6	.5	.5	.5	.5	.5	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
28	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.5	.6	.6	.6	.6	.6	.6
29	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.7	.8	.6	.7	.7	.6	.6
30	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.8	.8	.8	.9
31	.6	.6	.5	.5	.5	.5	.6	.7	.8	.6	.6	.6	.6	.6	.5	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
HOURLY MEAN	.6	.6	.6	.6	.6	.6	.6	.7	.9	.9	.7	.6	.5	.5	.5	.5	.5	.5	.5	.5	.5	.6	.6	.6	.6

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	2.7	2.0	1.4	.7	2.1	1.4	.8	1.0	.7	.5	.5	.7	1.3	.9	.8	.5	.8	2.2	1.4	.6	.7	1.5	1.4	1.3	1.1
MIN	.3	.3	.3	.3	.3	.3	.3	.2	.2	.4	.4	.4	.5	.4	.4	.4	.4	.5	.4	.4	.4	.4	.5	.5	.5

  

DAY	26	27	28	29	30	31
MAX	1.4	.6	.6	.7	.8	.9
MIN	.5	.5	.6	.5	.6	.5

MONTHLY AVERAGE = .6 MONTHLY MAXIMUM = 2.7 MONTHLY MINIMUM = .2  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744 VALID DATA RECOVERY RATE = 99.5% OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 3/ 1/1993 TO : 3/31/1993

SULFUR DIOXIDE (PPB)  
MARCH - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	1	1	1	1	1	1	3	4	6	15	2	1	1	1	CAL	CAL	1	1	1	1	1	1	1	1	2
2	1	1	2	1	16	6	3	3	8	5	3	1	1	1	1	1	1	1	1	1	1	1	1	1	3
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	3	1	1	4	9	6	10	15	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	2	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	3	3	4	4	3	1	3	7	11	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2
8	1	1	1	1	7	1	1	17	19	2	4	1	2	1	1	1	1	1	1	1	1	1	1	1	2
9	1	1	1	1	3	6	5	6	11	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	CAL	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	3	4	5	7	9	5	4	12	1	1	1	1	1	1	1	1	1	1	1	1	3
14	1	1	1	1	1	1	1	1	1	7	5	6	4	5	3	2	1	1	1	1	1	1	1	1	2
15	1	1	1	6	6	7	4	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2
16	1	1	1	1	1	1	1	1	4	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	2	9	7	8	4	1	1	1	1	1	1	1	1	2
18	10	3	1	1	1	1	1	1	2	18	81	18	9	1	1	1	1	1	1	1	1	1	1	1	7
19	1	2	3	1	1	1	3	8	11	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
20	1	1	1	1	1	1	24	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
21	1	1	1	1	1	1	1	1	1	2	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	2	6	5	3	1	1	1	1	1	1	1	1	1	1	1	1	3	1
23	1	1	1	1	1	1	1	1	1	4	1	1	1	3	3	1	1	1	1	1	1	1	1	1	2
24	1	1	1	1	1	1	1	3	3	6	1	1	1	1	CAL	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	3	4	5	3	1	1	1	1	1	1	1	3	1	1	1	1	1	4
26	1	1	1	1	1	1	4	5	14	34	7	4	3	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	1	1	1	1	1	1	1	1	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
HOURLY MEAN	1	1	1	1	2	2	3	3	4	5	5	2	2	1	1	1	1	1	1	1	1	1	1	1	1

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	15	16	1	1	15	7	11	19	11	1	1	1	12	7	7	4	9	81	11	24	5	6	4	8	5
MIN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

  

DAY	26	27	28	29	30	31
MAX	34	1	1	1	1	3
MIN	1	1	1	1	1	1

MONTHLY AVERAGE = 1.9    MONTHLY MAXIMUM = 81.1    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 99.5%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE



ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 3/ 1/1993 TO : 3/31/1993

NITRIC OXIDE (PPB)  
MARCH - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	1	1	7	1	1	7	50	113	92	37	5	1	1	1	CAL	CAL	CAL	1	1	1	1	1	1	12	16
2	22	30	83	54	40	19	21	45	74	33	3	1	1	1	1	1	1	1	1	1	1	1	1	1	18
3	1	1	1	1	4	1	21	35	10	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
4	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	8	3	34	14	3	54	92	105	59	26	5	3	1	1	1	1	1	1	1	1	1	1	1	1	17
6	1	1	2	3	3	1	1	1	2	1	2	2	1	1	1	1	1	1	1	1	10	35	40	24	6
7	7	4	3	5	3	1	2	8	11	13	4	3	1	1	1	1	3	6	7	8	9	8	4	4	5
8	1	1	4	4	8	5	8	30	39	28	11	5	5	3	4	5	3	3	2	3	3	4	4	5	8
9	6	7	8	7	8	7	8	13	12	9	10	9	5	4	4	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	CAL	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	3	4	3	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	2	9	17	39	46	34	24	27	8	6	4	5	3	1	1	1	1	1	1	1	1	12
14	1	1	1	1	1	1	2	12	9	13	12	8	5	5	4	3	3	1	1	1	1	1	1	2	4
15	1	1	1	1	3	2	14	10	6	6	7	8	8	8	8	6	7	5	5	5	4	3	1	1	5
16	1	1	1	1	1	1	1	8	6	1	4	4	2	1	1	1	1	1	1	1	1	1	1	1	2
17	1	1	1	1	1	1	1	1	2	1	3	8	17	18	19	10	5	3	1	1	6	3	5	4	5
18	24	11	1	3	11	12	10	13	31	93	142	53	27	11	4	1	1	1	1	3	3	1	3	1	19
19	1	58	29	3	1	1	18	52	40	10	6	3	1	4	5	5	4	6	7	9	10	7	5	1	12
20	1	1	1	1	1	1	7	3	7	8	6	4	1	1	1	1	1	1	1	1	1	1	1	2	2
21	4	3	4	2	3	1	1	1	1	6	9	4	1	1	1	1	1	1	1	1	1	1	1	1	2
22	1	3	12	28	29	15	49	47	27	13	5	1	1	1	1	1	1	1	1	1	13	9	1	1	11
23	1	1	1	1	1	1	4	11	13	14	3	1	1	1	1	1	1	1	1	1	1	1	5	31	4
24	12	16	1	1	1	1	4	23	23	12	3	1	1	1	CAL	1	1	1	1	1	1	1	1	1	3
25	1	1	1	1	1	1	3	18	14	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	24	37	37	32	19	9	5	1	CAL	1	1	1	1	1	1	1	1	1	8
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	1	1	1	1	1	1	1	1	7	4	2	1	1	CAL	CAL	1	1	1	1	1	1	1	1	1	1
HOURLY MEAN	3	5	7	5	5	5	13	21	19	13	10	5	3	3	3	3	2	2	2	2	2	3	3	3	4

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	113	83	35	3	105	40	13	39	13	1	2	4	46	13	14	8	19	142	58	8	9	49	31	23	18
MIN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

  

DAY	26	27	28	29	30	31
MAX	37	1	1	3	1	7
MIN	1	1	1	1	1	1

MONTHLY AVERAGE = 5.8    MONTHLY MAXIMUM = 142.0    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 98.9%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 3/ 1/1993 TO : 3/31/1993

NITROGEN DIOXIDE (PPB)  
MARCH - 1993

HOUR																									DAILY		
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	34	28	48	46	39	63	72	75	73	59	27	12	11	11	CAL	CAL	CAL	10	15	11	21	13	14	52	35		
2	64	52	55	47	43	42	42	38	48	41	14	10	7	7	7	7	8	9	12	16	9	9	9	9	10	25	
3	10	10	11	9	34	46	44	38	23	13	10	10	10	10	7	7	7	7	9	10	9	9	9	9	15		
4	8	12	13	15	11	7	10	15	15	10	9	8	7	7	7	7	7	10	8	12	13	31	35	24	13		
5	35	31	43	38	35	41	46	45	46	36	11	7	7	6	5	6	5	5	10	13	13	4	10	9	21		
6	14	14	18	10	9	10	11	11	9	7	8	6	3	3	3	3	4	6	5	21	37	42	37	36	14		
7	32	33	31	36	35	27	26	21	19	20	7	4	3	2	2	2	3	5	5	6	6	7	6	4	3	4	13
8	11	4	6	9	30	25	30	38	36	31	17	8	7	3	3	5	5	6	6	7	6	4	3	4	13		
9	3	2	3	4	17	33	25	35	20	4	2	2	1	1	3	4	4	16	19	16	9	5	4	3	10		
10	5	4	3	3	3	6	4	6	4	2	4	5	5	3	3	CAL	3	7	7	7	5	6	6	6	5		
11	6	7	5	5	6	6	7	10	6	5	4	5	4	4	5	7	6	6	4	2	4	4	5	4	5		
12	3	5	6	5	6	8	7	6	4	4	5	5	4	5	4	5	4	3	3	3	8	20	24	21	7		
13	11	19	35	42	44	47	48	45	43	42	37	34	13	10	6	13	14	15	13	7	13	7	9	31	25		
14	25	32	32	28	30	26	24	20	15	20	18	12	8	7	8	7	6	8	7	12	23	13	22	32	18		
15	28	26	27	24	27	30	31	23	13	4	3	2	2	3	1	2	3	7	4	12	9	10	5	3	13		
16	3	4	5	9	17	8	20	22	14	6	7	6	5	3	4	4	3	3	3	2	4	6	4	1	7		
17	1	3	3	3	2	4	6	9	10	10	10	13	18	23	20	19	16	20	20	22	23	22	23	21	13		
18	27	28	25	25	26	25	23	19	22	49	76	43	31	23	14	9	10	10	13	31	31	24	16	14	26		
19	10	37	41	36	28	32	37	42	38	16	4	7	4	3	3	3	3	6	14	25	20	11	12	7	18		
20	5	6	5	5	5	5	29	16	12	12	10	8	5	5	6	7	9	9	11	7	9	10	10	17	9		
21	33	30	31	20	19	17	11	8	9	14	15	8	5	4	3	3	3	3	3	3	3	9	7	6	11		
22	7	21	23	28	28	28	28	30	31	21	9	4	3	3	4	4	5	6	10	24	52	44	25	23	19		
23	30	20	16	14	15	19	25	24	24	26	10	7	5	8	8	5	5	7	9	8	10	11	37	48	16		
24	46	42	24	14	13	14	25	35	33	24	9	4	4	3	CAL	3	3	3	12	11	12	19	28	44	18		
25	25	21	19	18	18	18	27	31	25	12	8	5	4	2	2	1	1	2	6	6	7	12	26	33	14		
26	14	19	21	23	17	24	36	39	39	42	38	25	18	6	CAL	2	5	11	14	10	5	8	5	3	18		
27	4	3	3	4	3	3	4	4	3	3	1	1	1	1	1	2	1	1	1	1	3	2	3	3	2		
28	2	4	4	4	4	4	4	4	3	4	3	2	2	3	3	3	3	4	5	6	4	3	4	6	4		
29	4	5	5	7	7	5	5	5	5	3	4	4	5	5	4	3	3	3	3	6	9	8	3	2	5		
30	2	3	3	2	1	2	3	3	4	6	3	2	2	4	4	4	5	8	13	6	12	11	4	5	5		
31	5	4	3	2	3	4	6	7	11	8	6	4	3	CAL	CAL	4	5	6	5	9	16	17	20	23	8		
HOURLY MEAN	16	17	18	17	19	20	23	23	21	18	13	9	7	6	5	5	5	7	9	11	13	13	14	17			

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	75	64	46	35	46	42	36	38	35	7	10	24	48	32	31	22	23	76	42	29	33	52	48	46	33
MIN	10	7	7	7	4	3	2	3	1	2	2	3	6	6	1	1	1	9	3	5	3	3	5	3	1

  

DAY	26	27	28	29	30	31
MAX	42	4	6	9	13	23
MIN	2	1	2	2	1	2

MONTHLY AVERAGE = 13.7    MONTHLY MAXIMUM = 75.6    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 98.9%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 3/ 1/1993 TO : 3/31/1993

NITROGEN OXIDES (PPB)  
MARCH - 1993

.....DAILY																										
HOUR																										
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	34	28	56	48	40	70	122	188	165	96	33	12	10	11	CAL	CAL	CAL	8	12	10	20	13	13	65	50	
2	86	82	139	101	84	61	63	83	122	74	18	11	7	6	5	4	5	7	10	15	9	8	8	8	10	42
3	9	10	10	7	39	48	65	74	33	16	10	11	11	11	7	6	5	5	6	9	8	8	8	8	8	18
4	8	11	11	13	10	5	7	16	18	13	11	9	9	8	8	8	8	9	8	12	12	33	36	23	13	
5	44	34	77	52	38	96	138	151	105	62	16	10	9	7	6	6	4	5	9	12	13	3	9	9	38	
6	14	14	20	13	12	12	13	14	12	9	10	9	4	3	2	3	3	5	5	21	47	77	78	60	19	
7	40	38	35	41	38	28	28	29	31	34	11	7	5	5	4	5	7	12	13	14	17	23	21	20	21	
8	13	5	10	13	38	31	38	68	76	59	28	13	13	7	7	10	9	9	9	11	10	8	7	9	21	
9	10	10	11	12	26	41	33	48	33	14	12	12	8	6	7	5	6	17	21	18	10	7	6	4	16	
10	5	3	1	1	1	6	4	6	4	4	4	7	6	3	3	CAL	2	6	5	4	2	3	3	4	4	
11	4	5	3	4	5	4	6	12	6	5	2	4	2	1	2	4	4	3	1	1	1	1	1	1	3	
12	1	1	1	1	1	4	4	4	4	8	9	8	7	7	5	5	3	3	1	1	5	17	20	17	6	
13	7	15	31	45	53	65	88	91	89	76	61	62	21	16	11	18	17	15	13	6	13	6	7	30	36	
14	23	31	32	28	30	26	26	33	24	33	31	21	14	13	13	11	9	10	8	13	25	15	24	34	22	
15	29	28	28	27	30	33	46	33	19	11	11	10	11	12	10	8	10	13	10	18	14	13	7	5	18	
16	4	7	7	10	17	7	22	31	20	8	11	10	8	5	6	6	3	1	1	1	1	4	1	1	8	
17	1	1	1	1	1	2	5	9	13	12	13	21	36	41	39	29	21	23	20	22	30	26	28	26	18	
18	51	39	27	28	37	37	34	33	54	143	218	97	59	34	18	10	11	11	14	34	35	26	19	16	45	
19	12	95	70	40	28	35	56	94	78	26	10	10	6	7	8	8	7	12	21	34	31	18	18	10	31	
20	6	6	6	6	7	6	36	19	20	20	16	13	7	6	8	8	11	10	11	8	10	12	11	19	12	
21	38	33	35	23	23	18	12	10	12	21	25	13	7	5	4	3	2	1	1	1	1	8	7	7	13	
22	8	25	36	56	57	43	78	77	59	34	14	7	4	5	5	4	1	1	5	22	66	53	19	19	29	
23	26	17	14	12	13	17	30	36	37	40	13	8	6	10	9	6	6	7	8	8	10	11	43	80	19	
24	58	58	24	13	12	13	29	58	57	36	12	5	5	4	CAL	3	2	3	11	11	12	19	28	52	23	
25	26	21	19	18	18	18	31	49	40	18	11	6	4	3	3	2	1	1	6	5	7	12	26	34	16	
26	14	20	22	25	18	25	60	76	76	74	57	35	24	7	CAL	1	6	12	16	11	5	8	5	3	26	
27	3	2	3	4	3	3	4	4	3	3	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	5	2	1	1	5	2	
29	3	5	5	8	7	6	6	7	8	1	1	1	3	3	4	3	3	3	3	6	9	8	3	2	4	
30	2	3	4	2	1	1	2	3	4	7	3	1	1	4	4	5	5	8	15	6	11	10	2	3	4	
31	3	3	2	1	1	2	6	8	18	12	9	4	1	CAL	CAL	2	4	6	4	9	15	16	20	23	8	
HOURLY MEAN	19	21	24	21	22	25	35	44	40	31	22	14	10	8	7	6	6	7	9	11	15	15	15	19		

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	188	139	74	36	151	78	41	76	48	7	12	20	91	34	46	31	41	218	95	36	38	78	80	58	49
MIN	8	4	5	5	3	2	4	5	4	1	1	1	6	8	5	1	1	10	6	6	1	1	6	2	1

  

DAY	26	27	28	29	30	31
MAX	76	4	5	9	15	23
MIN	1	1	1	1	1	1

MONTHLY AVERAGE = 18.8    MONTHLY MAXIMUM = 217.9    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 98.9%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 4/ 1/1993 TO : 4/30/1993

10M WIND SPEED (MPH)  
APRIL - 1993

DAY	HOUR																								DAILY
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3.6	2.6	2.7	1.0	2.5	3.9	4.0	5.7	8.0	8.4	5.6	4.7	4.7	7.0	5.5	6.8	6.3	7.6	9.1	10.6	9.3	9.6	10.4	8.2	6.2
2	5.0	5.4	3.6	4.7	3.7	2.9	1.6	3.4	4.6	4.8	3.6	9.0	12.5	7.5	16.0	19.7	9.7	14.9	11.4	11.6	10.1	10.6	14.7	14.8	8.6
3	16.4	12.8	14.7	19.2	22.3	18.2	26.6	25.4	21.0	13.8	12.4	7.8	9.2	6.0	4.5	3.8	4.7	6.8	7.9	7.2	7.0	6.4	6.4	6.2	11.9
4	4.5	5.9	4.2	1.5	2.4	2.1	2.3	2.2	2.2	4.9	7.0	7.5	7.8	9.9	9.6	11.9	12.1	13.9	12.8	9.8	9.2	12.0	10.0	8.5	7.3
5	13.0	12.0	6.0	3.7	5.4	5.1	5.8	4.2	4.4	5.7	4.8	8.0	7.4	6.8	8.5	12.5	15.1	13.9	12.5	7.5	16.2	16.6	11.8	8.0	9.0
6	6.7	7.8	5.5	10.6	15.8	13.7	11.6	7.4	7.1	7.2	7.3	11.5	11.8	11.2	8.1	7.8	8.0	17.3	17.4	18.7	18.0	15.1	14.0	11.4	11.3
7	9.4	23.5	15.9	10.8	18.1	11.1	7.6	8.4	21.9	25.1	29.8	29.6	29.4	24.1	21.0	20.9	19.8	21.1	24.1	18.4	13.6	11.0	5.7	4.4	17.7
8	5.8	6.8	7.0	6.9	7.1	7.0	5.5	4.7	7.4	8.9	8.0	6.1	4.4	4.8	4.1	4.4	4.4	5.2	9.8	6.5	6.1	7.1	8.6	7.5	6.4
9	11.1	11.9	10.7	9.6	13.1	16.6	13.6	7.0	3.9	5.6	5.0	4.8	5.6	3.0	4.1	4.0	5.9	8.1	8.1	8.3	3.2	3.8	7.6	9.2	7.7
10	6.9	13.8	18.5	14.7	7.8	12.5	13.1	25.0	23.3	27.8	22.4	20.3	20.3	16.4	18.4	17.1	16.5	17.1	9.4	8.0	11.9	11.8	14.5	10.9	15.8
11	11.2	5.0	5.8	5.0	6.1	6.5	5.4	4.3	3.1	4.8	11.1	14.4	17.2	17.0	14.7	15.2	14.6	11.8	11.3	9.3	3.7	6.6	4.8	2.0	8.8
12	4.6	5.4	6.9	15.9	8.9	3.5	3.4	4.7	3.6	4.1	6.4	8.6	11.0	12.8	7.2	6.8	10.2	9.9	11.9	14.9	17.0	7.9	7.3	12.1	8.5
13	10.7	8.9	5.7	6.1	4.0	5.0	5.5	5.9	4.3	4.5	5.9	7.0	6.9	10.5	18.6	25.8	19.9	17.3	17.3	14.1	9.1	5.6	8.6	3.8	9.6
14	3.2	5.8	6.6	1.7	3.0	7.0	3.7	2.8	4.7	7.9	7.6	7.8	7.8	9.1	9.4	13.1	13.6	14.5	11.9	8.2	4.8	4.3	4.5	5.8	7.0
15	3.8	5.9	7.6	8.3	6.8	9.9	9.1	5.0	5.2	4.5	4.2	4.4	7.8	7.7	9.3	16.3	15.0	11.3	5.3	4.9	6.3	8.0	7.4	7.2	7.5
16	7.4	7.9	8.6	8.3	4.0	4.7	4.0	3.1	2.9	2.8	3.4	7.9	11.0	8.4	6.4	12.1	17.0	22.3	18.4	6.9	5.2	8.1	9.2	5.1	8.1
17	5.0	3.9	3.2	5.0	6.7	8.0	7.9	11.3	9.7	8.7	8.3	6.4	5.3	5.1	4.3	6.3	7.0	4.5	4.8	3.8	10.4	11.6	11.1	11.6	7.1
18	3.0	6.2	11.6	12.3	13.6	10.0	10.9	4.1	4.4	5.4	10.3	6.7	12.7	19.4	19.7	20.8	32.4	25.4	17.7	25.0	5.9	8.6	6.1	17.7	12.9
19	14.0	18.6	19.8	14.6	11.6	4.2	4.7	9.1	15.6	19.6	23.9	24.2	24.7	26.5	28.9	29.4	33.5	27.5	22.4	13.7	7.5	8.1	8.8	12.8	17.7
20	8.9	8.5	5.6	1.1	2.2	1.7	2.6	3.7	3.8	3.2	7.1	9.5	8.1	7.4	9.5	13.1	14.5	6.7	7.5	8.9	5.3	2.9	3.7	3.0	6.2
21	1.8	1.6	3.6	2.6	3.5	4.1	4.4	6.4	7.0	8.6	7.4	7.4	6.8	5.1	3.9	3.3	3.1	2.6	4.3	10.4	7.0	7.6	4.0	4.7	5.0
22	5.5	5.5	8.1	12.3	8.7	7.0	9.0	8.7	5.4	12.1	12.4	12.1	11.9	11.9	6.3	3.3	4.6	8.3	4.4	5.4	4.1	5.9	11.1	10.4	8.1
23	10.2	8.9	8.5	6.2	5.2	13.1	19.0	24.6	17.1	25.8	23.0	21.4	22.4	22.9	16.1	20.9	19.4	18.3	15.2	12.7	9.8	6.7	10.4	6.4	15.2
24	5.2	6.4	6.7	4.1	4.3	6.5	6.5	5.9	3.9	3.0	4.1	3.0	4.9	5.6	5.1	3.9	4.4	3.3	1.6	2.9	2.4	2.9	7.4	6.8	4.6
25	5.9	3.7	4.2	4.7	2.9	4.2	6.5	10.5	7.5	6.6	6.0	6.7	6.2	7.8	10.8	11.3	13.7	11.9	10.6	8.8	10.2	9.6	8.5	6.3	7.7
26	7.2	5.5	9.4	9.9	13.1	13.8	13.1	11.7	8.9	5.6	3.8	5.3	8.4	5.0	5.7	10.0	7.9	4.7	4.6	7.5	6.1	9.2	11.7	4.0	8.0
27	5.3	5.1	3.5	7.1	9.4	10.4	9.1	3.7	4.7	6.7	7.9	8.4	9.6	7.8	11.1	12.1	12.9	12.3	8.9	8.1	6.8	6.9	7.8	6.3	8.0
28	5.2	5.4	5.9	5.8	4.3	5.1	4.2	2.7	3.2	5.4	7.6	8.4	11.4	12.9	17.8	18.7	18.3	15.3	11.6	9.0	8.3	6.6	5.4	7.9	8.6
29	8.6	8.6	7.7	6.7	7.0	7.3	4.8	5.6	3.7	3.5	3.4	4.4	5.4	5.9	7.7	8.6	10.2	6.6	5.2	9.6	6.6	8.1	7.8	6.6	6.6
30	5.4	6.0	6.2	8.2	11.4	15.5	14.9	16.7	13.8	22.5	25.4	24.4	24.5	20.0	16.1	21.4	27.1	28.7	25.0	18.0	17.3	12.1	6.9	2.7	16.3

HOURLY  
MEAN 7.2 7.8 7.8 7.6 7.8 8.0 8.0 8.1 7.9 9.2 9.8 10.3 11.2 10.9 10.9 12.7 13.4 13.0 11.4 10.3 8.6 8.4 8.5 7.8

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	10.6	19.7	26.6	13.9	16.6	18.7	29.8	9.8	16.6	27.8	17.2	17.0	25.8	14.5	16.3	22.3	11.6	32.4	33.5	14.5	10.4	12.4	25.8	7.4	13.7
MIN	1.0	1.6	3.8	1.5	3.7	5.5	4.4	4.1	3.0	6.9	2.0	3.4	3.8	1.7	3.8	2.8	3.2	3.0	4.2	1.1	1.6	3.3	5.2	1.6	2.9

  

DAY	26	27	28	29	30	31
MAX	13.8	12.9	18.7	10.2	28.7	***
MIN	3.8	3.5	2.7	3.4	2.7	***

MONTHLY AVERAGE = 9.4 MONTHLY MAXIMUM = 33.5 MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720 VALID DATA RECOVERY RATE = 100.0% OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 4/ 1/1993 TO : 4/30/1993

WIND DIRECTION (DEGREES)  
APRIL - 1993

DAY	HOUR																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	296	285	311	301	157	183	179	194	197	188	132	91	150	66	96	107	97	93	96	117	131	165	191	193
2	209	212	266	311	296	296	185	207	352	60	59	27	326	56	314	278	10	27	39	37	34	3	1	360
3	349	344	340	338	359	0	5	10	17	22	48	37	24	84	109	124	101	119	126	133	138	131	130	156
4	251	297	309	194	184	122	38	75	328	213	181	172	154	130	133	130	126	158	174	176	174	182	175	185
5	186	203	281	251	25	2	320	306	46	52	86	95	107	82	69	219	96	106	106	128	109	119	125	117
6	104	125	116	319	333	356	332	327	314	327	331	25	19	27	30	58	33	19	21	18	19	23	22	16
7	348	11	358	358	23	344	323	343	356	7	14	1	6	8	4	7	7	5	9	10	23	31	300	264
8	233	212	218	220	222	234	223	236	296	325	2	3	296	336	282	187	196	276	270	254	237	207	218	217
9	195	209	246	223	201	201	202	209	314	23	274	345	224	179	47	76	93	97	108	176	168	215	210	246
10	197	342	350	350	7	296	311	291	310	304	316	311	314	319	331	316	269	271	281	131	133	130	125	137
11	152	221	211	218	205	216	243	270	302	357	358	19	31	31	34	38	52	57	56	62	316	62	50	319
12	100	80	41	22	11	350	286	310	261	187	126	137	105	85	31	338	13	42	41	329	316	298	222	304
13	312	317	318	305	267	285	300	328	1	251	306	343	8	22	43	24	40	40	34	42	35	54	41	26
14	75	55	68	30	101	123	108	254	302	6	51	47	34	44	19	26	28	24	4	5	314	331	8	113
15	181	89	108	105	99	97	98	93	24	25	320	334	19	24	23	14	359	16	31	78	130	151	141	151
16	165	174	177	201	230	222	229	249	272	249	352	17	25	19	30	25	24	28	26	46	208	210	197	159
17	60	29	215	193	184	179	167	192	187	182	185	205	180	263	221	278	285	5	77	147	231	207	214	227
18	235	176	200	190	190	146	181	328	91	312	343	322	312	236	229	245	295	268	287	281	64	37	40	261
19	264	260	248	267	271	250	266	262	294	301	305	306	297	301	356	351	353	8	28	34	69	53	56	58
20	54	58	73	170	17	95	88	117	169	4	9	40	39	40	22	359	17	61	40	30	63	105	134	28
21	32	229	195	184	121	168	168	158	163	160	162	140	165	147	163	121	305	275	169	191	151	157	214	183
22	184	177	181	202	182	195	179	174	175	101	103	107	114	101	128	247	325	358	290	272	189	161	146	181
23	221	252	279	196	165	283	289	288	273	269	264	270	277	274	281	305	297	309	339	22	32	75	84	146
24	169	166	192	112	145	83	105	80	93	154	161	134	62	62	104	23	84	117	205	206	264	345	13	355
25	343	314	264	248	221	183	190	196	175	148	152	159	160	124	111	101	89	116	127	133	144	152	178	173
26	180	136	171	187	200	201	198	207	191	193	164	134	106	88	359	37	39	55	70	163	30	6	349	356
27	269	176	348	51	44	39	51	43	44	54	66	37	69	80	90	116	114	138	146	137	118	109	142	137
28	215	254	248	310	318	159	192	146	103	12	355	37	29	43	49	56	62	71	77	101	127	152	174	176
29	155	155	172	188	199	237	271	268	263	329	357	77	50	91	88	99	115	114	50	357	28	16	71	68
30	129	173	244	272	317	310	285	284	259	295	294	295	312	317	310	360	14	6	24	43	35	38	3	348

TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720      VALID DATA RECOVERY RATE = 100.0%      OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING      CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 4/ 1/1993 TO : 4/30/1993

SIGMA THETA (DEGREES)  
APRIL - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	17	18	19	70	10	14	6	10	11	15	34	37	39	43	35	25	18	10	5	5	4	18	7	6	20
2	12	11	41	14	26	29	36	47	21	43	43	21	34	21	15	15	43	8	11	8	10	16	10	13	23
3	13	10	10	4	14	8	7	6	5	8	14	14	15	27	35	38	15	9	5	4	8	8	10	9	12
4	22	11	12	31	74	45	40	28	57	29	22	21	26	19	17	12	9	16	5	9	7	5	8	5	22
5	5	28	16	40	33	26	23	34	28	28	21	16	17	25	23	72	9	8	7	39	7	5	3	7	22
6	8	13	11	21	8	16	6	6	10	15	22	9	10	7	9	18	28	10	7	6	4	4	4	7	11
7	18	9	12	28	3	22	18	17	13	12	9	15	12	12	15	15	13	11	7	4	6	12	17	15	13
8	6	7	7	5	6	7	17	23	15	23	27	42	58	53	59	40	41	73	15	9	21	12	14	18	25
9	9	11	10	17	4	4	4	17	73	47	66	53	39	74	49	48	31	15	11	36	39	51	31	19	32
10	27	19	11	10	12	9	16	8	8	7	13	15	11	17	12	15	9	7	7	44	4	5	8	9	13
11	6	34	21	12	11	9	18	12	36	24	17	17	10	11	11	11	6	6	7	19	61	19	47	71	21
12	17	10	26	7	6	20	22	18	52	40	26	26	16	14	45	16	8	22	25	21	7	41	31	19	22
13	5	6	15	13	34	11	15	19	31	32	44	21	34	19	12	6	9	9	6	8	12	13	9	13	17
14	13	11	7	41	10	6	13	43	31	30	27	24	29	25	24	18	14	11	21	17	18	8	39	14	21
15	26	11	13	8	9	8	6	13	27	23	42	41	23	37	28	18	15	14	20	14	22	8	6	6	18
16	8	5	5	9	20	10	25	30	32	56	37	22	16	26	35	17	8	5	5	13	9	10	19	47	20
17	26	31	30	6	3	9	12	7	14	15	19	20	42	57	41	29	40	40	20	34	17	15	8	13	23
18	52	16	18	11	8	10	20	25	32	49	24	28	18	30	12	17	12	10	8	15	19	11	35	21	21
19	15	8	9	12	8	21	33	15	15	15	8	10	9	13	14	12	12	14	4	11	9	13	9	6	12
20	11	7	16	43	39	24	14	27	30	64	38	33	27	29	26	18	18	17	26	6	12	24	27	14	25
21	63	48	7	24	24	20	19	13	13	16	22	28	28	38	58	52	67	17	35	6	24	7	33	29	29
22	11	12	22	5	8	7	24	11	40	13	13	18	17	19	54	65	17	21	48	16	23	21	8	18	21
23	12	19	12	45	16	19	10	6	12	10	11	12	16	14	21	12	9	8	10	13	16	33	22	10	15
24	11	8	12	37	42	36	8	17	23	12	20	28	29	21	16	56	50	37	51	20	34	13	5	14	25
25	15	49	17	8	32	6	5	8	15	25	30	35	36	25	19	15	11	13	7	7	4	10	3	14	17
26	8	26	23	13	6	3	4	5	8	18	35	24	19	47	34	17	38	16	8	62	49	31	18	34	23
27	66	18	47	59	28	16	6	30	28	23	27	22	25	35	18	13	10	12	8	18	20	22	5	8	24
28	73	10	11	14	23	36	22	45	36	32	32	21	19	22	13	13	7	7	4	8	14	10	4	4	20
29	9	8	11	35	19	53	21	13	29	38	38	38	37	33	20	18	18	10	43	23	21	21	15	46	26
30	53	37	55	26	12	7	6	6	17	9	10	8	12	12	13	19	8	8	14	12	11	9	19	27	17
HOURLY MEAN	21	17	18	22	18	17	16	19	25	26	26	24	24	27	26	25	20	15	15	17	17	16	16	18	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	70	47	38	74	72	28	28	73	74	44	71	52	44	43	42	56	57	52	33	64	67	65	45	56	49
MIN	4	8	4	5	3	4	3	5	4	4	6	6	5	6	6	5	3	8	4	6	6	5	6	5	3

  

DAY	26	27	28	29	30	31
MAX	62	66	73	53	55	***
MIN	3	5	4	8	6	***

MONTHLY AVERAGE = 20.2    MONTHLY MAXIMUM = 73.8    MONTHLY MINIMUM = 3.1  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 4/ 1/1993 TO : 4/30/1993

TEMPERATURE (DEGREES F)  
APRIL - 1993

HOURLY																									
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	34.2	34.0	33.4	31.1	32.0	31.9	31.8	33.4	36.5	40.2	44.5	47.1	49.2	50.6	51.7	52.5	53.0	51.5	47.7	44.4	42.3	41.8	43.2	43.3	41.7
2	42.9	42.7	41.5	39.4	36.7	36.3	36.4	38.8	41.3	45.4	54.7	58.7	54.8	55.2	52.8	47.5	43.9	41.6	40.7	40.1	39.0	39.1	38.9	39.5	43.7
3	37.9	37.8	37.5	35.4	34.7	32.5	33.4	34.3	35.5	36.5	36.3	37.8	40.6	41.3	42.8	44.2	44.1	43.1	40.3	37.2	36.3	36.3	35.8	35.8	37.8
4	35.6	35.2	31.5	30.6	27.5	29.2	28.4	32.0	40.3	48.4	53.7	56.3	57.8	59.1	60.2	60.1	59.2	56.9	53.4	50.9	49.2	47.7	46.8	46.1	45.7
5	45.4	44.2	44.0	42.6	40.4	39.3	36.3	36.9	39.2	45.4	50.7	53.6	56.7	58.7	58.6	53.9	48.4	47.1	45.6	44.9	43.3	42.1	41.8	42.0	45.9
6	42.1	42.8	42.8	41.7	40.3	38.5	37.9	38.3	39.6	41.0	42.4	42.8	43.2	41.8	41.0	40.8	38.7	38.7	38.4	37.2	35.4	33.9	33.0	32.3	39.4
7	32.4	33.5	33.0	32.2	33.0	32.8	33.5	35.2	38.5	40.5	41.8	42.3	42.7	42.2	42.5	42.8	41.8	40.8	40.1	38.7	36.9	35.1	34.6	35.0	37.6
8	34.6	33.4	33.2	33.5	33.6	34.6	36.2	40.4	44.7	46.5	48.3	50.2	52.0	53.6	55.0	56.3	57.4	56.4	51.9	48.4	47.1	49.4	49.3	46.7	45.5
9	42.7	43.4	47.4	46.8	45.6	47.0	47.8	51.3	57.8	60.9	63.2	64.4	64.9	66.3	65.5	64.6	63.5	60.8	57.6	56.4	58.9	58.5	56.4	57.3	56.2
10	53.9	49.0	43.1	42.3	40.0	42.0	42.8	45.3	48.0	50.3	51.8	53.1	54.7	55.6	55.7	57.4	58.2	57.6	55.6	51.8	46.3	44.2	44.3	43.6	49.4
11	39.5	39.9	39.9	39.0	39.1	39.1	38.4	42.2	46.7	50.2	53.6	55.0	56.9	58.6	59.0	58.3	56.5	54.9	52.1	47.3	45.8	47.0	44.7	44.6	47.8
12	44.1	42.4	41.6	37.4	34.4	34.1	34.7	37.2	41.2	44.0	46.0	48.6	49.3	49.4	45.6	43.0	41.8	41.2	40.2	38.1	33.5	35.0	35.8	31.9	40.4
13	31.4	31.3	31.4	31.3	31.3	31.3	31.3	31.6	33.2	38.3	42.6	43.8	45.7	46.3	44.7	43.9	42.9	41.4	39.7	36.6	34.2	33.2	32.1	31.4	36.7
14	30.9	30.6	29.9	29.8	29.0	27.8	29.5	34.6	37.4	39.0	41.0	42.7	43.7	44.7	45.3	44.8	44.2	42.2	40.1	38.7	37.8	37.5	37.1	35.5	37.2
15	34.5	32.2	31.1	30.5	29.3	29.6	30.1	32.6	35.6	38.1	40.5	42.9	44.3	45.8	45.5	44.8	44.5	43.7	41.7	40.9	39.4	37.4	36.7	35.9	37.8
16	36.2	38.4	38.0	37.5	37.7	38.2	38.0	39.7	42.0	46.5	51.3	52.5	53.6	54.7	56.3	55.3	53.6	48.3	45.2	42.8	42.5	43.4	42.6	42.3	44.9
17	41.7	42.4	40.2	40.1	38.1	38.0	39.4	44.4	49.4	52.9	54.0	55.6	59.0	60.9	62.3	63.3	63.6	63.5	60.3	58.1	58.8	58.0	55.7	54.6	52.3
18	51.1	49.7	47.0	47.3	48.4	46.7	53.6	57.3	62.2	64.6	64.6	66.1	64.2	64.8	66.8	66.9	57.0	52.4	50.0	49.5	46.8	45.1	43.3	42.8	54.5
19	41.2	39.6	38.7	38.6	38.7	38.6	40.3	43.1	45.2	47.0	48.3	48.5	49.5	49.9	46.0	46.2	44.6	42.9	39.3	36.6	33.4	31.9	30.9	29.9	41.2
20	29.3	28.7	28.6	28.7	28.6	28.3	29.8	31.6	34.4	37.9	39.9	41.5	43.4	45.2	45.1	43.9	42.8	42.0	41.3	38.7	35.7	35.5	34.3	34.0	36.2
21	33.7	33.0	33.0	34.2	33.5	34.2	34.6	36.7	40.1	45.7	50.8	54.6	57.9	61.0	62.4	64.1	64.6	62.6	60.8	58.0	55.3	52.3	50.7	50.8	48.5
22	50.1	49.2	48.6	49.0	48.7	53.3	51.1	56.5	60.7	63.2	65.8	69.0	71.3	73.4	75.5	76.8	74.4	70.5	68.5	67.3	64.1	62.8	57.2	58.2	61.9
23	55.7	54.8	57.2	56.0	52.2	53.9	55.2	58.0	61.0	62.1	63.1	64.0	64.2	64.9	65.5	65.1	63.7	61.2	57.4	52.4	50.6	47.2	43.6	42.0	57.1
24	42.3	43.0	44.3	44.5	44.2	40.0	37.5	36.6	35.9	34.2	36.3	39.9	42.4	43.2	44.6	44.8	42.6	42.5	42.5	42.6	42.0	41.8	39.9	37.3	41.0
25	36.5	36.6	36.0	36.3	36.6	36.7	38.4	41.5	44.7	48.1	51.0	53.7	55.9	57.8	58.7	59.8	60.2	60.1	56.4	52.3	49.5	47.2	48.6	47.9	47.9
26	47.3	44.8	45.1	44.0	43.9	42.8	45.3	49.1	54.5	59.9	63.7	67.0	69.2	71.3	71.7	71.2	70.1	69.1	66.3	66.1	61.2	56.4	54.0	52.8	57.8
27	52.0	51.8	52.7	51.1	49.1	47.3	45.9	49.0	51.4	53.4	55.6	57.5	59.3	61.2	61.2	61.7	60.8	58.3	57.0	55.7	53.7	52.4	51.0	49.4	54.1
28	47.3	46.0	46.0	46.7	45.4	44.8	47.2	51.6	55.1	57.9	60.0	61.3	61.8	62.3	61.8	60.8	60.1	58.5	55.0	51.3	48.5	47.7	47.4	48.1	53.0
29	45.4	40.5	40.8	41.7	43.1	41.6	43.6	47.5	51.8	55.6	60.2	62.4	64.3	65.0	66.1	66.7	66.8	65.3	63.3	62.3	60.3	57.3	53.4	50.1	54.8
30	48.4	47.6	47.6	48.7	47.8	49.6	52.1	53.4	55.6	56.9	58.5	59.1	58.9	60.1	60.1	58.0	54.8	51.2	47.0	42.0	37.6	35.3	34.9	35.1	50.0
HOURLY																									
MEAN	41.3	40.6	40.2	39.6	38.8	38.7	39.3	42.0	45.3	48.3	51.1	53.1	54.4	55.5	55.7	55.3	53.9	52.2	49.8	47.6	45.5	44.4	43.3	42.5	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	53.0	58.7	44.2	60.2	58.7	43.2	42.8	57.4	66.3	58.2	59.0	49.4	46.3	45.3	45.8	56.3	63.6	66.9	49.9	45.2	64.6	76.8	65.5	44.8	60.2
MIN	31.1	36.3	32.5	27.5	36.3	32.3	32.2	33.2	42.7	40.0	38.4	31.9	31.3	27.8	29.3	36.2	38.0	42.8	29.9	28.3	33.0	48.6	42.0	34.2	36.0
-----																									
										DAY	26	27	28	29	30	31									
										MAX	71.7	61.7	62.3	66.8	60.1	***									
										MIN	42.8	45.9	44.8	40.5	34.9	***									

MONTHLY AVERAGE = 46.6 MONTHLY MAXIMUM = 76.8 MONTHLY MINIMUM = 27.5  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720 VALID DATA RECOVERY RATE = 100.0% OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 4/ 1/1993 TO : 4/30/1993

BAROMETRIC PRESSURE (INCHES)  
APRIL - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7
2	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.4	24.4	24.4	24.4	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.5
3	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
4	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.5	24.5	24.7
5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.4	24.4	24.4	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
6	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.4
7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.7
8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.7
9	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6
10	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
11	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
12	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.5	24.6	24.6	24.6	24.6
13	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7
14	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7
15	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.7
16	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7
17	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.7
18	24.6	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.4	24.4	24.4	24.3	24.3	24.4	24.4	24.4	24.5	24.5	24.5	24.5	24.5
19	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.8	24.8	24.9	24.9	24.6
20	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.0	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
21	25.1	25.1	25.1	25.1	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9
22	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.4	24.4	24.6
23	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.5	24.5	24.5	24.4
24	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.8	24.8	24.6
25	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.8
26	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7
27	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.7
28	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.8
29	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.7	24.6	24.8
30	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.8	24.8	24.8	24.6
HOURLY																									
MEAN	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	24.9	24.6	24.8	24.8	24.5	24.6	24.8	24.8	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.8	24.8	24.6	24.9	25.0	25.1	24.8	24.5	24.8	24.9
MIN	24.6	24.4	24.6	24.5	24.4	24.4	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.3	24.5	24.9	24.8	24.4	24.4	24.5	24.8
DAY	26	27	28	29	30	31																			
MAX	24.9	24.8	24.9	24.9	24.8	***																			
MIN	24.6	24.7	24.8	24.6	24.6	***																			

MONTHLY AVERAGE = 24.7    MONTHLY MAXIMUM = 25.1    MONTHLY MINIMUM = 24.3  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE



ROCKY MOUNTAIN ARSENAL CAQMP  
SITE 4 FROM : 4/ 1/1993 TO : 4/30/1993

PRECIPITATION (.01 INCHES)  
APRIL - 1993

DAY	HOUR																								DAILY TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
3	2	1	2	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	11	0	0	0	0	14
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	2	4	1	0	0	0	0	0	0	15
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7	2	5	2	7	12	0	1	12	52
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	3	4	2	8	4	1	0	0	0	0	1	4	2	0	0	0	0	0	0	29
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MONTHLY TOTAL (INCHES)= 1.24 MONTHLY MAXIMUM (INCHES)= .12  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720 VALID DATA RECOVERY RATE = 100.0% OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 1 FROM : 4/ 1/1993 TO : 4/30/1993

RELATIVE HUMIDITY (PERCENT)  
APRIL - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	94.0	92.6	92.3	92.5	92.9	92.6	98.3	98.1	94.0	77.4	56.1	45.5	38.3	35.8	33.1	30.3	28.9	31.9	41.0	43.0	49.2	58.2	60.7	59.6	64.0
2	55.4	54.9	64.7	78.1	88.8	87.9	87.0	81.7	75.1	64.1	40.4	24.9	33.0	33.5	36.7	56.2	86.8	96.5	97.1	96.9	97.1	97.4	96.2	94.4	71.9
3	95.6	97.3	97.8	99.0	99.4	99.9	99.7	97.8	94.9	94.8	95.6	94.1	85.0	85.6	84.1	77.9	72.2	79.3	89.1	94.9	95.8	95.6	96.1	97.3	92.5
4	98.6	98.4	99.6	100.1	100.6	100.8	100.8	100.6	100.0	98.2	38.3	21.2	19.2	19.3	19.0	18.8	19.4	22.4	29.5	39.8	45.0	47.5	52.9	61.0	60.5
5	67.8	69.6	66.4	76.6	89.8	97.9	99.1	99.5	99.3	97.0	72.7	53.2	41.8	34.1	31.8	40.9	71.8	82.8	87.7	94.4	95.1	96.0	96.9	96.8	77.5
6	96.9	97.8	98.0	97.9	98.3	98.7	99.0	98.8	97.7	96.8	95.2	93.4	90.9	94.1	95.1	96.9	97.9	97.1	96.1	92.9	90.6	90.7	92.9	93.0	95.7
7	90.8	74.8	70.2	73.1	72.4	76.4	78.3	75.2	58.9	48.2	45.5	42.1	37.7	42.4	41.5	40.4	44.0	45.3	39.4	41.4	44.9	53.2	52.5	48.7	55.7
8	52.1	65.4	55.8	50.7	48.5	47.0	45.6	44.1	27.5	21.7	20.1	19.3	18.4	17.5	17.0	16.5	16.3	16.7	18.1	20.1	20.9	20.2	19.8	20.2	30.0
9	37.3	40.0	26.1	23.3	27.4	24.7	22.5	19.1	16.6	15.6	14.8	14.4	14.3	14.0	14.1	14.4	14.7	15.4	16.9	17.8	16.0	16.0	16.6	16.2	19.5
10	17.5	29.9	63.5	54.3	52.1	50.8	47.1	34.6	22.5	17.5	17.0	16.8	16.4	16.2	16.1	15.9	15.8	15.8	16.2	17.1	19.8	22.9	21.6	22.5	26.7
11	28.9	39.3	40.7	40.4	36.7	36.0	46.0	40.2	30.3	27.4	24.4	22.9	20.4	18.5	18.0	19.0	20.9	21.9	24.5	31.4	36.7	34.0	37.0	39.4	30.6
12	33.4	36.4	45.9	83.9	98.0	99.2	99.0	96.7	84.8	62.9	56.0	47.2	45.2	46.1	66.8	93.5	98.1	98.8	97.9	98.1	99.6	99.9	99.7	100.1	78.6
13	100.4	101.0	101.9	103.0	103.8	104.4	105.0	105.3	105.4	105.0	102.5	78.5	50.9	48.6	51.2	48.9	47.8	53.3	58.4	70.4	81.0	87.2	89.5	89.8	83.0
14	91.5	93.0	93.7	94.5	95.6	97.2	97.1	90.8	74.1	59.9	54.2	46.7	43.6	35.6	36.0	42.6	44.7	50.6	58.3	69.8	86.9	93.6	92.0	85.4	72.0
15	91.3	95.9	98.3	98.6	99.0	98.5	96.9	95.6	89.7	80.4	70.7	57.1	50.2	46.7	46.4	49.9	52.6	55.8	67.0	78.3	80.4	89.4	91.7	91.1	78.0
16	92.3	89.4	90.1	91.7	89.9	88.5	85.5	91.0	84.5	61.3	50.6	47.2	41.7	37.3	28.3	29.3	34.1	52.7	65.8	84.9	92.0	90.9	92.8	91.7	71.0
17	92.8	86.2	92.9	93.2	95.4	95.5	90.9	68.4	39.1	24.7	20.8	19.1	16.9	15.5	15.3	15.0	15.1	15.1	17.1	17.9	17.2	17.7	19.2	19.9	42.5
18	25.3	28.8	40.8	45.3	43.7	43.7	37.9	32.5	20.9	17.4	17.4	16.5	17.4	17.5	15.1	14.2	27.6	40.2	42.7	42.7	46.4	42.6	42.4	34.4	31.4
19	32.2	31.0	29.8	28.0	26.1	25.1	27.4	24.0	20.9	20.0	19.0	19.0	19.0	19.0	28.9	27.8	28.9	29.9	42.3	48.6	60.7	65.3	69.1	72.8	33.9
20	73.7	74.1	74.7	75.9	76.3	76.8	73.7	70.1	61.3	52.3	44.2	39.4	38.0	35.3	33.4	37.9	43.8	45.3	48.3	63.5	86.0	92.9	92.9	94.2	62.7
21	96.5	98.4	99.4	98.8	97.5	96.5	95.1	89.1	74.7	55.5	39.4	20.1	16.4	15.5	15.3	15.1	14.7	15.5	16.5	20.8	22.9	26.4	34.3	39.7	50.6
22	42.3	41.0	42.0	36.3	36.1	25.9	24.5	22.0	17.3	16.7	15.5	14.2	13.4	12.9	12.3	11.9	12.5	13.9	14.1	14.4	15.4	15.5	19.4	16.8	21.1
23	17.0	17.5	16.9	18.4	19.3	21.5	21.9	20.8	17.9	16.4	15.6	14.9	14.6	14.4	14.3	14.4	14.6	15.3	16.2	18.1	18.5	20.3	50.0	57.5	20.3
24	57.3	57.5	55.2	52.6	53.6	79.6	97.4	98.6	98.6	98.9	99.3	97.0	93.7	91.3	88.0	85.9	91.6	95.1	95.3	94.9	95.0	95.8	97.1	99.1	86.2
25	99.6	99.6	99.6	99.5	99.5	98.7	97.6	94.0	80.8	64.6	46.0	37.9	24.1	19.5	19.6	19.2	19.3	21.0	26.0	40.1	46.3	55.9	58.3	58.8	59.4
26	58.2	61.1	55.8	59.5	62.0	63.6	59.3	49.7	41.4	28.7	19.8	15.6	14.3	13.2	13.0	13.3	13.9	14.4	18.1	17.1	21.3	33.5	43.3	45.7	34.8
27	48.0	49.5	48.3	50.5	66.6	78.9	92.1	83.4	69.2	59.2	46.5	42.2	39.7	36.4	33.6	32.0	32.2	39.8	44.4	47.8	58.2	68.6	78.9	84.0	55.4
28	91.9	95.3	94.5	93.2	93.7	95.3	94.2	81.9	66.6	42.2	27.3	24.2	22.2	19.7	19.6	19.2	18.8	19.2	22.9	31.4	37.1	43.0	43.8	42.8	51.7
29	44.8	55.9	68.1	71.0	70.4	74.3	71.4	60.1	49.2	38.3	27.7	20.3	16.2	15.1	14.5	14.2	15.6	19.5	24.2	21.6	27.6	35.4	58.1	76.3	41.2
30	87.6	92.4	90.1	81.4	55.2	44.6	38.8	31.8	26.3	19.8	17.5	16.7	16.5	15.8	15.6	18.0	25.6	35.8	43.2	51.7	59.8	69.5	80.2	83.5	46.6
HOURLY																									
MEAN	67.0	68.8	70.4	72.0	72.9	74.0	74.3	69.8	61.3	52.8	43.7	37.4	33.6	32.2	32.5	34.3	38.0	41.9	45.8	50.7	55.4	59.2	63.2	64.4	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	98.3	97.4	99.9	100.8	99.5	99.0	90.8	65.4	40.0	63.5	46.0	100.1	105.4	97.2	99.0	92.8	95.5	46.4	72.8	94.2	99.4	42.3	57.5	99.3	99.6
MIN	28.9	24.9	72.2	18.8	31.8	90.6	37.7	16.3	14.0	15.8	18.0	33.4	47.8	35.6	46.4	28.3	15.0	14.2	19.0	33.4	14.7	11.9	14.3	52.6	19.2
DAY	26	27	28	29	30	31																			
MAX	63.6	92.1	95.3	76.3	92.4	***																			
MIN	13.0	32.0	18.8	14.2	15.6	***																			

MONTHLY AVERAGE = 54.8    MONTHLY MAXIMUM = 105.4    MONTHLY MINIMUM = 11.9  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAGMMP  
SITE 1 FROM : 4/ 1/1993 TO : 4/30/1993

MAXIMUM WIND SPEED (MPH)  
APRIL - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4.4	3.8	5.8	4.2	4.2	5.0	6.5	9.4	12.2	14.0	11.2	13.4	11.0	14.5	17.8	12.3	14.4	10.8	10.3	13.7	15.1	13.6	15.7	9.9	10.5
2	7.8	6.3	4.8	7.3	4.8	4.3	4.2	6.1	9.5	7.9	9.3	16.2	32.4	12.6	25.3	31.6	27.6	27.3	15.6	16.4	16.3	15.2	18.4	24.9	14.7
3	19.5	16.9	27.5	26.3	32.8	29.4	33.0	32.5	27.6	18.8	18.8	15.2	17.1	10.9	7.5	10.9	9.1	11.7	10.9	11.2	9.6	10.9	10.2	10.1	17.8
4	6.7	8.5	6.0	5.4	4.7	4.6	4.1	5.0	5.1	6.9	12.5	14.7	17.8	17.1	18.0	19.5	19.3	20.1	18.9	11.4	11.3	14.2	12.3	12.9	11.5
5	12.4	17.4	11.6	8.6	13.6	10.2	10.2	10.0	8.6	10.7	9.3	12.0	15.4	16.7	14.1	31.5	21.9	18.7	22.7	14.6	23.3	22.8	17.5	12.3	15.2
6	10.1	9.9	8.5	17.1	23.8	19.2	16.4	14.1	11.3	11.2	12.3	15.7	17.4	14.4	13.2	10.8	22.9	28.7	28.4	27.3	25.2	22.1	19.2	18.8	17.4
7	17.9	30.4	29.0	23.0	21.2	17.7	9.5	13.9	30.4	32.4	37.7	40.4	39.1	36.3	29.4	28.3	34.0	29.0	32.1	24.4	17.6	14.1	9.9	7.2	25.2
8	8.2	9.9	9.5	9.0	9.5	9.9	7.4	7.9	12.1	15.1	15.6	14.4	10.7	12.5	14.8	10.8	10.8	12.6	18.4	12.0	14.8	12.1	12.1	14.6	11.9
9	16.1	13.9	15.7	14.0	17.9	19.1	17.8	16.3	10.4	12.4	13.4	14.7	14.8	7.9	11.1	13.7	10.7	13.1	14.5	15.4	14.0	10.4	13.7	13.5	13.9
10	14.0	23.0	27.5	22.3	11.9	17.4	26.7	37.4	35.4	35.7	34.2	30.8	31.2	27.7	27.3	24.0	26.1	25.5	17.9	20.3	18.1	17.2	26.6	17.5	24.8
11	18.6	10.4	9.5	8.7	12.6	8.9	8.8	7.1	8.3	10.6	18.0	21.4	25.0	25.4	21.7	26.2	21.2	17.2	18.5	22.0	10.3	10.7	9.9	6.0	14.9
12	9.0	10.9	27.8	22.9	18.2	8.3	5.7	8.3	11.2	12.7	14.5	18.6	17.8	21.2	14.5	12.8	14.3	13.8	17.2	26.0	25.4	14.3	20.6	22.6	16.2
13	16.0	14.3	10.8	9.9	8.9	8.0	10.6	11.8	9.9	9.4	11.9	14.3	13.4	24.9	27.9	35.0	29.0	24.1	24.4	22.1	18.0	12.6	16.1	8.6	16.3
14	7.3	9.5	9.9	4.6	7.3	10.8	7.0	7.3	9.3	21.0	16.5	18.0	19.1	21.0	18.6	21.2	21.0	19.4	22.9	15.4	7.9	6.3	10.2	9.9	13.4
15	7.1	10.1	12.1	13.8	12.9	12.9	13.3	9.1	11.2	9.4	10.4	15.0	15.8	15.0	18.3	28.3	20.8	15.8	8.8	6.3	10.4	12.1	10.1	10.6	12.9
16	10.4	10.7	11.1	10.6	5.9	6.6	5.5	5.7	6.3	22.0	9.4	15.9	17.0	14.4	14.4	18.0	30.3	30.6	24.1	15.6	8.0	12.4	10.5	13.4	13.7
17	7.3	6.4	6.8	9.4	9.4	10.8	12.4	17.1	13.9	16.8	14.7	12.4	14.6	12.8	12.8	13.6	15.1	7.7	9.1	10.1	26.7	16.2	15.4	17.9	12.9
18	12.7	10.0	15.7	17.6	20.5	17.9	16.7	8.6	9.8	14.5	19.9	14.4	33.5	31.7	28.6	30.9	50.3	38.0	35.3	41.0	13.8	15.4	11.6	29.4	22.4
19	25.1	33.8	33.1	26.2	17.3	6.0	8.4	17.6	31.0	31.6	35.9	35.5	36.8	37.2	38.1	37.8	41.2	37.9	33.4	24.4	14.3	15.6	16.8	17.7	27.2
20	15.4	13.6	10.1	4.3	3.7	2.9	5.2	8.0	10.4	9.3	16.7	17.7	20.9	16.8	19.5	21.7	23.0	14.2	16.1	14.4	6.7	4.2	5.4	4.8	11.9
21	5.0	6.8	7.7	4.4	6.4	9.1	8.7	10.2	11.8	14.6	17.9	15.3	15.3	10.5	9.6	10.4	8.2	5.1	11.8	12.4	11.1	12.1	7.9	6.3	9.9
22	11.8	13.0	13.0	18.3	13.0	9.6	12.3	12.5	11.4	21.3	21.7	18.6	20.2	23.6	21.2	8.5	12.6	15.0	9.8	8.2	9.6	10.0	16.5	16.3	14.5
23	12.4	16.5	14.6	9.8	10.1	29.2	36.1	38.0	34.8	33.9	39.4	33.8	35.7	35.1	28.4	30.8	28.0	25.5	18.0	15.4	15.5	18.6	20.8	12.2	24.7
24	8.4	10.1	8.4	9.6	15.2	15.0	10.6	8.1	6.9	8.2	9.4	7.2	8.1	9.9	8.8	9.3	5.9	5.3	4.2	5.0	3.5	4.3	9.4	9.2	8.3
25	11.7	5.2	6.6	6.2	5.3	9.2	12.9	14.4	12.4	12.0	13.4	15.8	16.3	18.0	19.2	19.4	19.8	19.8	14.6	12.4	13.1	14.9	11.7	10.9	13.1
26	12.3	11.2	14.3	16.3	16.0	16.2	14.9	14.7	15.2	10.4	7.6	11.8	18.7	8.9	12.9	14.7	26.6	9.9	8.8	15.2	19.7	14.3	17.1	7.3	14.0
27	11.4	7.8	8.3	18.8	18.8	17.8	12.3	8.7	9.7	13.9	15.7	16.5	17.5	22.3	19.7	17.3	21.7	18.9	15.5	12.6	11.9	13.9	13.1	9.2	14.7
28	9.9	8.6	9.3	7.2	9.6	10.9	9.9	6.5	8.3	11.9	15.9	20.9	24.1	22.9	28.7	27.8	25.8	23.6	17.2	10.4	13.9	8.4	9.0	11.1	14.7
29	12.4	11.3	10.4	9.4	11.6	11.5	5.7	8.0	7.6	8.7	8.6	11.6	11.3	10.7	13.3	17.1	17.2	11.5	14.4	21.2	9.4	14.2	14.7	15.9	12.0
30	10.0	9.2	14.6	24.0	19.6	18.4	20.9	26.8	30.5	29.9	35.7	33.7	32.6	31.8	24.8	30.6	37.9	37.0	36.9	29.5	26.8	23.3	13.7	5.7	25.2
HOURLY																									
MEAN	11.7	12.3	13.3	13.0	12.9	12.6	12.5	13.4	14.4	16.2	17.6	18.5	20.7	19.5	19.3	20.8	22.2	19.6	18.3	16.9	14.7	13.5	13.9	12.9	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	17.8	32.4	33.0	20.1	31.5	28.7	40.4	18.4	19.1	37.4	26.2	27.8	35.0	22.9	28.3	30.6	26.7	50.3	41.2	23.0	17.9	23.6	39.4	15.2	19.8
MIN	3.8	4.2	7.5	4.1	8.6	8.5	7.2	7.4	7.9	11.9	6.0	5.7	8.0	4.6	6.3	5.5	6.4	8.6	6.0	2.9	4.4	8.2	9.8	3.5	5.2
DAY 26 27 28 29 30 31																									
MAX	26.6	22.3	28.7	21.2	37.9	***																			
MIN	7.3	7.8	6.5	5.7	5.7	***																			

MONTHLY AVERAGE = 15.9    MONTHLY MAXIMUM = 50.3    MONTHLY MINIMUM = 2.9  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 1 FROM : 4/ 1/1993 TO : 4/30/1993

10M-2M TEMPERATURE DIFFERENCE  
APRIL - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	2.5	2.2	1.4	1.4	4.1	4.1	2.9	-.1	-.5	-.7	-.6	-.7	-.6	-.9	-.6	-.4	-.1	.5	2.3	1.8	1.9	3.5	1.7	2.5	1.2
2	2.7	3.2	3.4	2.8	2.8	2.6	3.3	.1	-.4	-.4	-.6	-1.2	.1	-.2	-.3	.3	.7	.3	.3	.4	.3	.4	.5	.6	.9
3	.6	.5	.4	.2	.2	.3	.2	.2	.1	-.1	-.2	-.5	-.9	-.5	-.2	-.4	-.2	.2	1.1	1.6	.7	.9	1.2	2.9	.4
4	3.2	2.0	.4	.0	-.0	.1	.0	-.2	.0	-.9	-.7	-.9	-.8	-.9	-.8	-.4	.4	.6	.9	1.3	1.6	1.0	1.4	2.3	.4
5	2.7	1.4	3.1	4.2	5.7	3.5	.3	-.3	-.5	-1.0	-.4	-.5	-.6	-.5	-.4	.5	.0	.2	.3	.3	.3	.3	.4	.2	.8
6	.2	.2	.2	.2	.1	.1	.1	-.1	-.4	-.5	-.3	-.3	-.3	-.1	.3	.1	.3	.3	.3	.5	.5	.5	.6	.9	.1
7	1.2	.8	1.0	1.3	.6	.7	.1	-.7	-1.0	-1.2	-1.5	-1.1	-1.0	-.7	-.5	-.4	-.0	.2	.6	.6	1.1	2.2	2.7	4.9	.4
8	5.4	5.3	6.0	6.1	6.1	5.6	3.5	-.2	-.9	-1.5	-1.2	-1.1	-.8	-.7	-.7	-.4	-.1	.3	1.6	3.4	3.7	4.9	5.3	3.7	2.2
9	1.8	2.4	2.3	2.0	2.5	1.5	1.9	.6	-.6	-.6	-.8	-.8	-.7	-.7	-.2	.4	1.3	1.6	3.3	5.3	4.1	5.9	6.3	6.0	1.9
10	4.3	2.6	.8	.7	2.7	2.2	.4	-.3	-.9	-1.3	-1.6	-1.8	-1.8	-1.2	-.9	-.7	.1	.6	2.3	3.7	1.9	1.6	1.5	2.2	.7
11	4.9	4.4	5.8	5.5	7.2	6.6	1.7	-.4	-.6	-1.2	-1.6	-1.4	-1.4	-1.4	-1.0	-.3	.2	.5	.8	.7	.9	1.3	2.7	2.9	1.5
12	2.1	.6	.8	.3	1.2	.6	-.0	-.6	-.7	-.7	-.9	-1.3	-.6	-.1	.3	.2	.1	.1	.3	.2	.2	.3	.0	.2	.1
13	.1	.1	.1	.1	.1	.0	-.1	-.1	-.6	-1.1	-1.5	-1.3	-1.3	-1.2	-.8	-.7	-.1	.1	.4	.7	.8	.2	.2	.4	-.2
14	.4	.2	.1	.2	.8	.9	-.4	-.6	-.9	-1.3	-1.1	-1.1	-1.0	-1.2	-1.1	-1.1	-.7	.0	.2	.4	.3	.5	.9	.2	-.2
15	.4	.4	.0	.2	.1	.0	-.2	-.2	-1.0	-.8	-1.1	-1.2	-1.4	-1.3	-.7	-1.1	-.7	-.0	1.2	1.0	3.0	1.3	2.8	4.3	.2
16	2.8	.7	1.5	2.1	2.3	2.9	2.4	-.1	-.3	-.4	-.8	-1.2	-1.0	-.9	-.9	-.8	-.2	.0	.3	.3	.6	.8	.5	.8	.5
17	1.2	3.0	3.0	4.4	3.4	2.3	.3	-.5	-.7	-.8	-.7	-.6	-.8	-.9	-.6	-.7	-.6	-.1	2.2	7.4	3.3	3.6	4.1	3.6	1.5
18	4.8	7.0	4.2	2.4	1.9	2.8	.8	-.5	-.5	-.7	-1.3	-.9	-.1	-.5	-.6	-.6	-.1	.2	.5	.7	.7	1.2	1.2	.9	1.0
19	.7	.7	.8	.9	1.9	3.6	1.0	-.3	-.8	-1.3	-1.6	-1.5	-1.5	-1.5	-.4	-.2	-.1	.1	.2	.6	.8	.7	.2	.0	.1
20	.0	.0	.1	.1	.4	1.1	-.1	-.3	-.7	-.8	-1.2	-1.5	-1.3	-1.1	-.9	-.7	-.6	.0	.1	.6	1.6	3.5	4.3	3.1	.2
21	2.0	3.0	2.9	.7	1.2	.6	-.1	-.6	-.8	-1.0	-.9	-1.0	-.9	-.8	-.6	-.5	-.1	.6	3.1	3.1	4.7	4.6	3.3	3.8	1.1
22	3.7	2.9	2.0	2.8	2.7	3.9	2.8	-.4	-.1	-.9	-1.0	-.9	-.8	-.5	-.4	-.3	.4	2.1	3.8	5.4	7.3	9.8	7.7	6.9	2.4
23	7.7	6.3	4.7	5.7	11.6	2.7	.6	-.3	-.8	-1.2	-1.4	-1.6	-1.6	-1.5	-1.3	-.8	.1	.4	1.6	1.6	1.7	1.5	.6	1.9	1.6
24	3.4	1.2	.9	1.3	.5	.3	-.2	-.1	-.2	-.2	-.3	-.4	-.5	-.4	-.1	.1	.1	.0	.2	1.8	2.1	1.5	2.6	2.6	.7
25	2.2	1.7	2.8	3.3	3.8	4.2	.9	-.4	-.5	-.7	-.9	-1.0	-.8	-.8	-.8	-.5	-.1	.5	1.7	4.1	4.4	2.9	2.7	5.4	1.4
26	4.1	4.8	4.0	3.0	1.5	1.3	.6	.0	-.4	-.4	-.3	-.4	-.6	-.3	-.4	-.2	.8	1.4	2.3	3.3	3.5	1.7	2.3	2.6	1.4
27	3.8	4.9	3.4	1.9	1.3	.8	.3	-.6	-.5	-1.0	-1.0	-1.0	-1.0	-.8	-.8	-.6	-.0	.9	1.2	1.1	1.1	.6	.8	2.5	.7
28	2.5	2.7	2.8	2.6	2.2	2.3	.0	-.3	-.6	-1.1	-1.0	-1.2	-1.3	-1.1	-1.1	-.8	-.2	.3	.8	2.7	5.5	6.7	5.1	6.2	1.4
29	7.4	6.2	3.3	5.1	4.8	2.5	.3	-.6	-.6	-.7	-1.0	-.8	-.8	-.2	-.5	-.4	-.0	1.0	2.0	2.3	2.3	2.1	.7	1.0	1.5
30	1.5	3.9	4.1	3.8	2.6	2.2	.2	-.1	-.9	-1.6	-1.8	-1.7	-1.8	-1.6	-.9	-.1	.1	.1	.2	.1	.0	.0	.0	.1	.3
HOURLY MEAN	2.7	2.5	2.2	2.2	2.5	2.1	.8	-.3	-.6	-.9	-1.0	-1.0	-.9	-.8	-.6	-.4	.0	.4	1.2	1.9	2.0	2.2	2.1	2.5	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	4.1	3.4	2.9	3.2	5.7	.9	4.9	6.1	6.3	4.3	7.2	2.1	.8	.9	4.3	2.9	7.4	7.0	3.6	4.3	4.7	9.8	11.6	3.4	5.4
MIN	-.9	-1.2	-.9	-.9	-1.0	-.5	-1.5	-1.5	-.8	-1.8	-1.6	-1.3	-1.5	-1.3	-1.4	-1.2	-.9	-1.3	-1.6	-1.5	-1.0	-1.0	-1.6	-.5	-1.0
DAY	26	27	28	29	30	31																			
MAX	4.8	4.9	6.7	7.4	4.1	***																			
MIN	-.6	-1.0	-1.3	-1.0	-1.8	***																			

MONTHLY AVERAGE = .9 MONTHLY MAXIMUM = 11.6 MONTHLY MINIMUM = -1.8  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720 VALID DATA RECOVERY RATE = 100.0% OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMP  
SITE 3 FROM : 4/ 1/1993 TO : 4/30/1993

SOLAR RADIATION (LANGLEYS/HR)  
APRIL - 1993

DAY	HOUR																								DAILY
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	.0	.0	.0	.0	.0	.0	.2	.5	.8	1.0	1.2	1.3	1.3	1.2	1.0	.8	.4	.1	.0	.0	.0	.0	.0	.0	.4
2	.0	.0	.0	.0	.0	.0	.1	.3	.4	.7	1.2	1.3	.3	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
3	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2	.6	.9	.5	.5	.7	.4	.2	.0	.0	.0	.0	.0	.0	.2
4	.0	.0	.0	.0	.0	.0	.2	.5	.8	1.1	1.3	1.4	1.3	1.2	1.0	.7	.2	.1	.0	.0	.0	.0	.0	.0	.4
5	.0	.0	.0	.0	.0	.0	.1	.2	.5	.9	.8	1.0	.8	.9	.6	.1	.2	.1	.0	.0	.0	.0	.0	.0	.3
6	.0	.0	.0	.0	.0	.0	.0	.1	.3	.3	.4	.2	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.2	.5	.8	1.0	1.2	.7	.7	.6	.4	.3	.1	.1	.0	.0	.0	.0	.0	.0	.3
8	.0	.0	.0	.0	.0	.0	.2	.5	.8	1.1	1.3	1.4	1.4	1.3	1.1	.8	.5	.2	.0	.0	.0	.0	.0	.0	.4
9	.0	.0	.0	.0	.0	.0	.1	.3	.8	1.0	1.2	1.3	.8	.9	.6	.2	.1	.1	.0	.0	.0	.0	.0	.0	.3
10	.0	.0	.0	.0	.0	.0	.2	.5	.9	1.2	1.3	1.4	1.4	.8	.7	.6	.4	.2	.0	.0	.0	.0	.0	.0	.4
11	.0	.0	.0	.0	.0	.0	.2	.5	.8	1.1	1.3	1.2	1.1	1.1	.9	.5	.2	.1	.0	.0	.0	.0	.0	.0	.4
12	.0	.0	.0	.0	.0	.0	.1	.5	.8	1.1	1.1	1.1	.7	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.2
13	.0	.0	.0	.0	.0	.0	.1	.3	.9	1.2	1.3	1.4	1.4	1.4	.6	.8	.3	.1	.0	.0	.0	.0	.0	.0	.4
14	.0	.0	.0	.0	.0	.0	.4	.7	.9	1.0	1.2	1.2	1.5	1.3	1.0	.6	.5	.1	.0	.0	.0	.0	.0	.0	.4
15	.0	.0	.0	.0	.0	.0	.1	.3	.7	.7	1.3	1.2	1.4	1.2	.8	.7	.5	.2	.0	.0	.0	.0	.0	.0	.4
16	.0	.0	.0	.0	.0	.0	.1	.2	.3	.7	1.1	.8	1.0	1.0	1.0	.8	.4	.2	.0	.0	.0	.0	.0	.0	.3
17	.0	.0	.0	.0	.0	.0	.3	.6	.9	1.1	.8	.9	1.5	1.3	.8	.8	.6	.3	.0	.0	.0	.0	.0	.0	.4
18	.0	.0	.0	.0	.0	.0	.3	.6	.9	1.1	1.3	1.4	.3	.9	.8	.7	.3	.1	.0	.0	.0	.0	.0	.0	.4
19	.0	.0	.0	.0	.0	.0	.2	.4	.8	1.0	1.2	1.0	1.0	1.1	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.3
20	.0	.0	.0	.0	.0	.0	.2	.5	.9	1.2	1.3	1.5	1.4	1.3	.5	.4	.4	.1	.0	.0	.0	.0	.0	.0	.4
21	.0	.0	.0	.0	.0	.0	.2	.6	.9	1.1	1.3	1.4	1.5	1.3	.9	.8	.5	.1	.0	.0	.0	.0	.0	.0	.4
22	.0	.0	.0	.0	.0	.0	.2	.6	.7	1.2	1.3	1.3	1.2	1.1	1.0	.7	.3	.1	.0	.0	.0	.0	.0	.0	.4
23	.0	.0	.0	.0	.0	.0	.2	.6	.9	1.2	1.4	1.5	1.5	1.4	1.2	.9	.3	.2	.0	.0	.0	.0	.0	.0	.5
24	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.4	.7	.7	.3	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.1
25	.0	.0	.0	.0	.0	.1	.3	.7	1.0	1.2	1.4	1.5	1.5	1.4	1.1	.9	.6	.3	.0	.0	.0	.0	.0	.0	.5
26	.0	.0	.0	.0	.0	.0	.2	.4	.6	.8	.9	.9	1.2	1.0	.8	.6	.3	.2	.0	.0	.0	.0	.0	.0	.3
27	.0	.0	.0	.0	.0	.0	.2	.6	.9	1.2	1.4	1.5	1.3	1.1	.9	.7	.3	.1	.0	.0	.0	.0	.0	.0	.4
28	.0	.0	.0	.0	.0	.1	.3	.6	.9	1.2	1.4	1.4	1.5	1.3	1.1	.9	.6	.3	.0	.0	.0	.0	.0	.0	.5
29	.0	.0	.0	.0	.0	.1	.3	.6	.9	1.2	1.4	1.3	1.3	.7	1.1	.8	.5	.1	.0	.0	.0	.0	.0	.0	.4
30	.0	.0	.0	.0	.0	.1	.3	.4	1.0	1.2	1.5	1.5	1.5	1.3	.7	.4	.2	.1	.0	.0	.0	.0	.0	.0	.4
HOURLY																									
MEAN	.0	.0	.0	.0	.0	.0	.2	.4	.7	1.0	1.1	1.2	1.1	1.0	.7	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	1.3	1.3	.9	1.4	1.0	.4	1.2	1.4	1.3	1.4	1.3	1.1	1.4	1.5	1.4	1.1	1.5	1.4	1.2	1.5	1.5	1.3	1.5	.7	1.5
MIN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

  

DAY	26	27	28	29	30	31
MAX	1.2	1.5	1.5	1.4	1.5	***
MIN	.0	.0	.0	.0	.0	***

MONTHLY AVERAGE = .4    MONTHLY MAXIMUM = 1.5    MONTHLY MINIMUM = .0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 4/ 1/1993 TO : 4/30/1993

OZONE (PPB)  
APRIL - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	15	16	19	19	23	3	3	9	18	28	40	46	48	49	53	56	56	51	38	37	25	17	9	16	29
2	17	15	10	3	3	5	9	18	22	13	31	41	42	50	46	46	45	44	43	43	46	46	49	46	31
3	47	43	41	41	29	26	37	41	38	33	30	40	41	41	42	43	43	36	24	27	26	27	23	15	35
4	7	3	6	5	1	2	6	10	17	33	48	53	55	54	54	53	50	46	41	33	29	32	29	25	29
5	28	22	13	14	11	11	6	15	17	23	30	40	50	51	51	48	46	44	43	42	41	42	40	38	32
6	35	32	25	28	34	37	34	29	26	25	27	28	31	27	29	30	29	25	21	21	21	23	24	30	28
7	33	37	36	32	33	30	29	31	41	44	46	CAL	49	48	49	48	45	44	44	39	36	33	26	26	38
8	5	2	1	1	1	3	9	14	37	45	48	50	51	54	51	50	50	48	39	35	33	13	7	13	27
9	17	19	18	19	19	25	18	16	33	47	51	52	51	52	52	51	45	42	41	31	40	21	5	27	33
10	14	26	36	37	34	38	44	47	48	50	49	50	51	52	52	54	59	56	52	40	37	32	34	25	42
11	21	12	3	2	2	2	7	25	35	37	41	46	52	55	55	53	52	50	47	42	38	44	39	44	33
12	43	38	38	44	39	36	31	36	40	45	47	51	53	50	44	39	36	39	42	36	34	29	21	27	39
13	CAL	31	31	30	29	28	27	31	35	37	39	44	48	49	39	35	38	38	36	36	32	31	31	30	35
14	29	31	33	32	30	25	24	21	30	38	42	44	46	48	51	49	47	44	44	42	34	30	30	33	37
15	31	25	25	25	28	32	33	33	34	37	40	40	47	52	52	51	48	45	41	38	35	27	26	23	36
16	17	31	25	19	12	11	7	6	8	75	27	33	42	48	55	56	53	45	44	41	35	27	28	31	32
17	34	41	35	14	4	9	12	29	42	47	49	50	51	53	52	52	52	50	47	43	31	29	24	28	37
18	8	19	15	23	31	30	37	34	48	51	57	58	55	52	55	51	51	52	50	49	39	42	42	46	41
19	47	44	42	44	42	36	34	33	41	42	42	43	43	44	38	38	38	34	31	28	28	29	29	29	37
20	30	31	33	34	34	34	35	32	29	34	40	44	49	54	55	52	51	50	46	42	38	38	32	33	40
21	30	29	26	9	4	23	29	31	36	42	49	58	61	64	65	CAL	63	58	51	31	28	26	16	9	36
22	2	8	18	19	17	30	15	27	37	46	55	59	60	61	63	68	61	43	41	29	11	3	9	34	34
23	21	12	30	40	12	26	45	52	56	58	59	58	58	56	57	56	54	51	45	41	40	33	34	31	43
24	25	30	33	29	43	43	43	42	43	39	36	41	46	47	48	48	46	44	43	39	36	30	21	16	38
25	24	24	23	19	19	15	12	27	35	41	47	52	56	56	54	53	52	52	45	37	36	30	23	12	35
26	21	21	22	23	20	10	9	14	21	33	39	44	47	47	48	47	45	42	35	38	33	33	23	20	31
27	19	16	25	26	24	29	34	37	CAL	CAL	CAL	CAL	54	57	56	56	54	50	46	44	37	33	32	29	38
28	27	27	23	26	24	25	18	27	39	48	54	60	63	67	61	60	59	57	49	39	35	23	23	23	40
29	18	21	23	27	27	20	10	20	32	39	51	58	62	62	66	65	59	52	43	48	47	41	38	37	40
30	38	37	33	31	43	46	45	48	52	54	54	56	56	57	56	47	43	42	34	30	36	38	38	38	44
HOURLY MEAN	24	25	25	24	22	23	23	28	34	41	44	48	51	52	52	50	49	46	42	37	34	30	27	28	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	56	50	47	55	51	37	49	54	52	59	55	53	49	51	52	75	53	58	47	55	65	68	59	48	56
MIN	3	3	15	1	6	21	26	1	5	14	2	21	27	21	23	6	4	8	28	29	4	2	12	16	12

DAY	26	27	28	29	30	31
MAX	48	57	67	66	57	***
MIN	9	16	18	10	30	***

MONTHLY AVERAGE = 35.7    MONTHLY MAXIMUM = 74.7    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 99.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 4/ 1/1993 TO : 4/30/1993

CARBON MONOXIDE (PPM)  
APRIL - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	.8	.8	.7	.7	.6	1.2	1.7	1.6	1.1	.9	.6	.5	.6	.6	.6	.6	.6	.6	.6	.6	.6	.7	1.1	.9	.8
2	.8	.8	.9	1.5	1.0	.8	.8	.8	.8	1.1	.8	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.7
3	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.7	.6
4	.9	.9	.8	.8	.8	.8	.8	1.0	1.0	.8	.6	.6	.6	.6	.6	.5	.5	.6	.7	.7	.8	.7	.7	.7	.7
5	.6	.6	.7	.7	.7	.7	.8	.7	.7	.7	.6	.6	.6	.6	.6	.6	.6	.5	.5	.5	.5	.5	.5	.5	.6
6	.5	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.7	.7	.7	.6	.6
7	.6	.6	.6	.6	.7	.7	.7	.7	.6	.6	.6	CAL	.6	.6	.6	.6	.6	.6	.7	.7	.7	.6	.7	.8	.7
8	1.3	1.7	1.4	1.1	1.1	1.2	1.5	2.1	.9	.6	.6	.6	.6	.6	.7	.7	.7	.7	.7	.7	.7	.9	1.1	1.0	1.0
9	.8	.7	.7	.7	.7	.7	1.1	1.5	1.2	.7	.6	.6	.6	.7	.6	.6	.6	.6	.6	.6	.7	.7	1.0	1.4	.6
10	.9	.7	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
11	.6	.8	1.0	1.1	1.0	1.1	1.3	.8	.7	.7	.6	.6	.6	.6	.6	.6	.6	.6	.5	.5	.5	.5	.5	.5	.7
12	.5	.5	.5	.6	.6	.6	.6	.8	.8	.7	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.7	.7	.8	.6	.6
13	CAL	.6	.6	.6	.6	.7	.7	.8	.6	.7	.7	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
14	.6	.6	.6	.6	.6	.6	.7	.8	.8	.7	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.7	.6	.6	.6
15	.6	.6	.5	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
16	.7	.7	.7	.7	.8	.8	1.0	1.6	1.9	1.8	1.5	1.1	.8	.7	.7	.6	.6	.6	.6	.6	.6	.6	.8	.8	.9
17	.6	.6	.6	.9	1.0	1.0	1.2	.9	.8	.7	.7	.7	.7	.7	.7	.7	.6	.6	.6	.6	.7	.9	.9	.7	.8
18	.8	.9	.9	.7	.7	.7	.7	.8	.7	.7	.6	.7	.7	.6	.6	.6	.7	.7	.6	.6	.6	.6	.6	.6	.7
19	.6	.6	.6	.6	.6	.7	.8	.9	.6	.6	.6	.6	.6	.6	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
20	.7	.7	.6	.6	.6	.7	.7	.7	.8	.7	.7	.6	.7	.7	.6	.7	.7	.6	.6	.6	.6	.6	.7	.6	.7
21	.6	.7	.7	.9	.9	.8	.8	.8	.8	.8	.7	.6	.7	.6	.6	CAL	.7	.7	.7	.9	.8	.8	.9	1.0	.8
22	1.2	.9	.8	.8	.7	.8	1.1	1.2	1.0	.7	.7	.6	.6	.6	.6	.7	.7	.7	.7	1.0	1.5	2.3	1.4	.8	.9
23	1.0	1.0	.7	.6	.8	.8	.7	.7	.6	.6	.6	.6	.6	.6	.6	.7	.7	.7	.7	.7	.7	.7	.6	.6	.7
24	.6	.7	.7	.6	.6	.6	.6	.6	.6	.6	.8	.7	.6	.7	.6	.6	.6	.6	.6	.6	.7	.7	.8	.8	.7
25	.8	.7	.7	.8	.8	.8	1.1	.9	.8	.7	.7	.7	.7	.7	.6	.7	.6	.7	.7	.7	.7	.7	.8	.9	.7
26	.8	.7	.7	.7	.7	.9	1.3	1.4	1.4	1.0	.9	.8	.6	.6	.6	.7	.7	.6	.7	.7	.7	.7	.7	.7	.8
27	.7	.8	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
28	.7	.7	.7	.7	.8	.8	1.1	1.1	CAL	CAL	CAL	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.3	.4
29	.3	.1	.1	.1	.1	.3	.9	.7	.4	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2
30	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
HOURLY																									
MEAN	.7	.7	.7	.7	.7	.7	.9	.9	.8	.7	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.7	.7	.6	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	1.7	1.5	.7	1.0	.8	.7	.8	2.1	1.5	.9	1.3	.8	.8	.8	.6	1.9	1.2	.9	.9	.8	1.0	2.3	1.0	.8	1.1
MIN	.5	.6	.6	.5	.5	.5	.6	.6	.6	.6	.5	.5	.6	.6	.5	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6

DAY	26	27	28	29	30	31
MAX	1.4	.8	1.1	.9	.1	***
MIN	.6	.7	.1	.1	.1	***

MONTHLY AVERAGE = .7 MONTHLY MAXIMUM = 2.3 MONTHLY MINIMUM = .1  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720 VALID DATA RECOVERY RATE = 99.2% OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CQMMP  
SITE 4 FROM : 4/ 1/1993 TO : 4/30/1993

SULFUR DIOXIDE (PPB)  
APRIL - 1993

.....DAILY																									
DAY	HOUR																								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	2	2	5	6	3	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2
2	1	1	2	6	1	1	1	1	1	31	17	8	1	1	1	1	1	1	1	1	1	1	1	1	3
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	9	9	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
5	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	CAL	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	4	8	5	7	7	6	4	5	1	1	1	1	1	1	5	8	3	3	1	1	1	7	6	3	4
9	1	3	14	6	1	2	2	9	4	1	1	1	5	4	1	1	1	1	1	1	1	2	3	16	3
10	10	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	3	3	3	4	1	1	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	2
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	CAL	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	2	3	5	10	11	8	5	3	1	1	1	1	1	1	1	1	1	1	3
17	1	1	1	1	1	1	1	1	1	1	1	1	1	3	5	3	1	1	1	1	8	1	2	5	2
18	11	2	1	1	1	1	1	5	7	5	1	1	1	1	1	4	1	1	1	1	1	1	1	1	2
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	2	6	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	2
21	1	1	1	1	1	5	1	1	1	1	1	1	1	CAL	1	1	1	1	1	1	1	1	1	1	1
22	1	2	1	2	2	3	4	4	3	CAL	CAL	CAL	CAL	CAL	CAL	1	1	1	1	1	3	7	1	1	2
23	1	7	4	1	5	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	3	6	6	6	5	3	1	1	1	1	1	1	1	1	1	1	1	1	1	2
30	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
HOURLY																									
MEAN	2	2	2	2	1	2	2	3	2	3	2	2	1	1	1	1	1	1	1	1	1	1	1	2	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	6	31	1	9	2	1	1	8	16	10	4	1	2	2	4	11	8	11	1	6	5	7	7	1	3
MIN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
.....																									
DAY	26	27	28	29	30	31																			
MAX	3	1	1	6	4	***																			
MIN	1	1	1	1	1	***																			

MONTHLY AVERAGE = 1.6    MONTHLY MAXIMUM = 31.0    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 98.8%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE



ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 4/ 1/1993 TO : 4/30/1993

NITRIC OXIDE (PPB)  
APRIL - 1993

DAY	HOUR																								DAILY	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1	1	1	1	1	29	74	51	23	12	3	1	1	1	1	1	1	1	1	1	1	1	1	1	9	
2	1	1	10	37	10	6	11	9	6	45	13	2	1	1	3	1	1	1	1	1	1	1	1	1	7	
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
4	3	1	1	1	1	2	14	24	19	12	3	1	1	1	1	1	1	1	1	1	1	1	1	1	4	
5	1	1	1	1	1	1	10	5	5	4	4	2	1	1	1	1	1	1	1	1	1	1	1	1	2	
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
7	1	1	1	1	1	1	1	1	1	1	CAL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
8	21	72	37	23	24	28	39	58	7	3	1	1	1	1	3	4	1	1	1	1	1	2	2	2	3	14
9	2	2	6	3	3	3	10	31	18	4	1	1	2	2	1	1	1	1	1	1	1	1	4	1	4	
10	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	4	1	1	1	1	1	
11	1	1	2	7	10	19	40	11	7	7	4	1	1	1	1	1	1	1	1	1	1	2	1	1	5	
12	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	
13	CAL	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	1	1	1	1	1	1	1	11	7	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
15	1	1	1	1	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	
16	1	1	1	1	1	1	19	47	58	42	31	14	5	2	1	1	1	1	1	1	1	1	1	1	10	
17	1	1	1	1	1	3	21	5	4	2	1	1	3	2	2	2	1	1	1	1	1	3	1	1	3	
18	1	2	1	1	1	1	1	5	3	2	1	1	1	1	3	3	1	1	1	1	1	1	1	1	2	
19	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
20	1	1	1	1	1	1	1	1	7	6	3	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
21	1	1	1	1	8	1	3	5	5	3	1	1	1	CAL	CAL	1	1	1	1	1	1	1	1	5	2	
22	11	2	1	1	1	1	21	18	7	3	1	1	1	1	1	1	1	1	1	1	8	49	8	1	6	
23	1	11	3	3	1	4	3	4	2	3	5	7	8	4	2	1	1	1	1	1	1	1	1	1	3	
24	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	3	3	3	3	3	3	2	2	
25	1	1	1	1	1	5	19	9	6	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	
26	1	1	1	1	1	6	22	26	18	9	5	2	1	1	1	2	1	1	1	1	1	1	1	1	4	
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
28	1	1	1	1	1	1	11	10	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
29	1	1	1	1	1	8	45	24	12	8	3	1	1	1	1	1	1	1	1	1	1	1	1	1	5	
30	1	1	1	1	1	1	1	1	1	5	6	4	4	1	1	1	1	1	1	1	1	1	1	1	2	
HOURLY MEAN	2	4	3	3	3	4	13	12	8	6	3	2	2	1	1	1	1	1	1	1	1	3	1	1		

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	74	45	1	24	10	1	1	72	31	4	40	4	3	11	4	58	21	5	3	7	8	49	11	3	19
MIN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

DAY	26	27	28	29	30	31
MAX	26	1	11	45	6	***
MIN	1	1	1	1	1	***

MONTHLY AVERAGE = 3.3    MONTHLY MAXIMUM = 73.6    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 99.4%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMHP  
SITE 4 FROM : 4/ 1/1993 TO : 4/30/1993

NITROGEN DIOXIDE (PPB)  
APRIL - 1993

DAY	HOUR																								DAILY
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	24	24	20	16	13	39	36	35	26	18	8	4	4	5	5	5	5	5	8	5	15	21	36	25	17
2	22	25	31	43	34	31	26	17	18	38	24	14	11	6	9	9	7	6	5	6	3	4	3	3	16
3	3	4	3	3	4	5	3	4	4	3	5	4	4	3	3	3	3	6	12	6	5	4	5	10	5
4	22	26	19	18	19	18	15	18	20	18	6	4	3	2	2	1	2	5	8	13	15	13	13	13	12
5	9	13	22	15	16	14	16	10	9	8	12	9	4	4	5	8	6	4	3	3	3	2	2	2	8
6	2	3	5	6	7	6	8	10	8	6	7	6	4	5	5	5	4	6	5	5	6	6	7	4	6
7	4	2	2	4	5	7	9	8	3	2	CAL	2	2	2	2	3	4	3	3	5	6	5	15	17	5
8	44	52	52	54	54	52	45	50	17	4	4	4	4	4	11	17	10	11	9	13	15	42	51	36	27
9	24	22	30	28	26	23	36	48	30	10	5	6	12	10	5	5	7	8	7	21	18	38	56	27	21
10	39	21	5	5	8	5	4	3	2	1	1	1	1	1	1	2	2	4	6	13	5	10	9	18	7
11	15	28	41	43	45	47	41	19	13	13	9	6	6	5	4	3	3	3	3	4	4	3	4	3	15
12	3	4	2	3	4	6	12	11	9	7	6	5	2	4	4	7	8	6	4	7	9	9	13	8	6
13	CAL	5	5	5	5	7	10	9	5	6	13	5	4	3	3	3	3	4	3	3	3	3	3	4	5
14	2	1	1	1	1	5	8	17	13	8	4	3	3	3	3	4	4	5	4	4	9	11	8	3	5
15	5	4	3	3	3	4	4	4	7	7	6	9	6	4	4	4	5	6	7	6	6	10	8	9	6
16	17	9	11	17	25	32	32	38	45	44	43	31	17	13	8	7	5	5	6	6	6	18	18	15	19
17	8	8	8	30	36	31	28	15	13	7	5	6	9	9	11	9	3	4	4	6	20	21	23	20	14
18	40	23	25	17	11	10	9	16	11	9	4	5	6	5	3	6	4	4	3	3	4	3	2	2	9
19	1	3	5	2	2	8	9	13	3	1	1	1	1	1	2	3	1	3	3	4	3	4	4	4	3
20	5	6	3	2	2	3	4	7	13	10	6	5	4	4	5	5	5	5	5	5	6	9	8	7	6
21	8	10	12	33	33	23	18	14	14	13	9	6	6	CAL	CAL	7	7	9	13	20	17	17	26	34	16
22	43	34	23	25	28	22	36	33	23	9	4	3	2	2	3	7	10	9	15	29	53	66	43	16	23
23	31	46	23	9	35	26	9	6	4	3	3	2	1	1	1	2	3	4	6	6	6	11	5	4	10
24	12	7	6	5	2	2	1	4	3	4	8	6	3	2	1	2	3	3	3	3	9	14	19	16	6
25	10	9	11	17	20	21	28	17	12	7	5	5	5	3	3	2	2	3	7	9	5	6	14	26	10
26	17	13	12	12	14	24	32	33	30	18	16	9	3	3	3	3	2	3	6	6	7	7	12	14	13
27	11	18	11	8	8	6	5	6	5	4	4	3	3	3	4	3	3	4	3	3	4	4	4	4	5
28	7	8	10	11	12	8	22	22	11	7	7	4	4	4	3	3	3	3	3	5	6	20	21	23	9
29	24	11	10	9	13	21	38	30	22	19	11	7	6	7	6	3	3	4	6	7	5	6	6	4	12
30	3	4	8	12	6	6	8	6	3	1	2	2	2	1	1	3	3	3	3	3	2	1	2	3	4
HOURLY																									
MEAN	16	15	14	15	16	17	19	17	13	10	8	6	5	4	4	5	4	5	6	7	9	13	15	12	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	39	43	12	26	22	10	17	54	56	39	47	13	13	17	10	45	36	40	13	13	34	66	46	19	28
MIN	4	3	3	1	2	2	2	4	5	1	3	2	3	1	3	5	3	2	1	2	6	2	1	1	2
DAY	26		27		28		29		30		31														
MAX	33		18		23		38		12		***														
MIN	2		3		3		3		1		***														

MONTHLY AVERAGE = 10.7    MONTHLY MAXIMUM = 66.1    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 99.4%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 4/ 1/1993 TO : 4/30/1993

NITROGEN OXIDES (PPB)  
APRIL - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	24	24	21	17	14	68	110	87	50	30	12	6	5	6	5	5	5	4	7	6	15	21	35	25	25
2	22	26	41	81	44	38	38	26	24	83	37	17	11	6	12	9	8	5	3	4	1	1	1	1	22
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	6	11	5	4	3	4	9	3
4	26	28	18	18	19	21	30	42	39	31	9	6	4	3	3	2	2	5	8	12	15	13	14	14	16
5	11	14	24	17	16	15	26	16	15	12	16	12	3	3	5	7	7	4	4	4	3	2	1	1	10
6	1	1	4	5	6	4	6	9	8	7	8	6	5	5	4	4	4	5	2	1	2	1	2	1	4
7	1	1	1	1	1	1	5	6	1	1	CAL	1	1	1	1	1	1	1	1	1	1	1	10	12	2
8	66	124	90	77	79	81	84	108	24	8	6	4	5	5	14	22	12	12	9	15	18	45	54	39	42
9	27	25	37	31	29	26	46	79	48	15	7	8	15	13	6	5	8	9	7	21	19	39	61	29	25
10	42	22	7	5	7	4	3	1	1	1	1	1	1	1	2	2	3	6	9	17	7	10	8	15	7
11	13	27	43	51	56	67	81	31	21	20	13	8	6	5	4	3	3	2	3	5	7	6	5	4	20
12	4	5	4	4	3	4	12	15	7	1	2	4	1	3	3	9	11	8	4	6	8	6	10	5	6
13	CAL	2	1	1	1	5	9	9	4	5	16	6	5	4	3	2	1	1	1	1	1	1	1	1	4
14	1	1	1	1	1	4	9	29	20	13	6	4	4	3	3	5	4	4	2	1	7	9	7	2	6
15	4	3	3	3	2	2	3	2	8	9	7	13	7	4	4	4	4	6	6	6	6	10	6	8	5
16	16	8	10	15	24	33	52	85	104	87	74	45	23	15	9	7	6	5	5	5	5	17	18	15	28
17	8	8	9	31	39	35	50	21	17	9	7	8	12	11	14	12	4	5	4	6	21	24	25	22	17
18	43	26	26	18	11	10	10	22	15	12	5	7	7	7	6	10	6	6	6	5	6	5	3	3	11
19	2	3	5	2	1	8	10	16	5	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
20	1	1	1	1	1	1	2	9	20	16	10	7	4	4	5	5	4	4	5	4	5	9	8	7	6
21	8	11	13	35	41	25	22	20	20	16	11	7	7	CAL	CAL	9	8	10	13	20	18	18	28	40	18
22	54	37	26	28	30	24	57	52	31	13	5	4	3	3	5	9	11	10	17	30	61	116	51	17	29
23	33	58	27	12	38	30	13	10	7	7	8	10	11	6	5	4	5	6	8	7	7	12	6	5	14
24	13	8	7	7	4	4	4	6	4	5	11	8	5	3	2	3	5	6	6	6	13	17	22	19	8
25	11	10	12	18	21	26	48	26	18	11	8	7	6	5	4	3	3	4	7	9	6	6	15	27	13
26	19	14	14	13	15	31	54	59	49	27	21	11	5	4	6	6	2	3	7	6	8	7	13	14	17
27	11	18	12	8	8	6	5	7	6	5	4	3	3	3	4	2	1	3	2	1	4	3	4	4	5
28	6	8	11	13	13	10	34	33	14	8	8	4	3	3	3	3	3	2	2	3	5	20	20	22	10
29	23	10	8	8	12	29	83	54	34	27	14	8	7	7	6	3	3	3	5	6	5	6	5	3	15
30	3	3	7	12	6	6	9	7	6	7	8	7	7	4	3	4	3	1	1	1	1	1	1	1	5
HOURLY MEAN	17	18	16	18	18	21	31	30	21	16	12	8	6	5	5	5	5	5	6	7	9	14	15	12	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	110	83	11	42	26	9	12	124	79	42	81	15	16	29	13	104	50	43	16	20	41	116	58	22	48
MIN	4	1	1	2	1	1	1	4	5	1	2	1	1	1	2	5	4	3	1	1	7	3	4	2	3

  

DAY	26	27	28	29	30	31
MAX	59	18	34	83	12	***
MIN	2	1	2	3	1	***

MONTHLY AVERAGE = 13.2    MONTHLY MAXIMUM = 123.9    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 99.4%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 5/ 1/1993 TO : 5/31/1993

10M WIND SPEED (MPH)  
MAY - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2.0	1.1	2.7	7.3	8.3	9.5	7.7	6.0	4.6	6.9	6.1	9.6	11.0	10.1	11.6	12.4	11.3	11.0	10.6	8.4	10.1	7.4	7.3	7.7	8.0
2	6.7	6.9	7.6	5.4	5.9	6.7	8.1	9.4	7.4	5.6	7.9	7.5	5.2	5.4	7.7	9.2	9.8	7.1	3.5	3.2	6.0	7.4	8.8	9.3	7.0
3	10.0	11.9	6.3	7.8	9.5	11.1	11.2	11.4	8.1	6.4	6.6	7.6	7.6	9.8	9.5	11.7	11.5	9.0	5.7	7.4	5.2	7.9	5.8	4.3	8.5
4	5.2	3.4	8.7	9.7	6.0	7.4	4.7	5.4	4.9	4.1	21.1	15.7	10.7	14.6	15.9	16.6	16.6	16.3	17.9	14.5	10.5	9.6	10.7	11.2	10.9
5	9.0	10.5	11.3	9.9	5.3	4.8	5.1	7.2	7.3	5.2	11.1	18.5	29.9	24.9	30.3	21.6	23.9	14.7	9.2	5.8	8.6	18.4	16.0	12.2	13.4
6	9.2	4.2	3.9	8.4	16.4	13.4	9.6	9.7	5.5	7.2	7.9	6.0	5.1	5.2	9.4	5.6	9.7	20.7	22.4	19.1	11.8	10.8	11.7	8.3	10.1
7	10.0	6.2	7.7	7.9	6.0	8.5	8.3	6.6	3.5	5.6	4.6	8.7	10.4	18.9	17.2	16.0	14.0	8.7	5.5	4.7	3.2	2.8	5.5	6.0	8.2
8	9.0	9.1	7.9	5.4	4.8	5.5	4.1	5.2	6.7	6.7	8.8	10.3	11.0	18.1	14.5	15.9	11.0	9.6	11.3	9.1	3.6	4.1	9.1	6.8	8.6
9	4.7	2.3	3.9	1.9	2.6	4.7	4.8	4.6	8.3	11.3	13.8	12.3	8.4	14.7	11.3	9.2	7.9	9.0	6.7	5.0	3.2	2.4	5.6	6.5	6.9
10	4.5	7.7	7.2	4.3	5.2	5.3	6.8	4.0	3.3	8.1	11.5	14.2	16.1	15.9	16.8	17.6	16.0	15.2	11.7	10.0	4.0	3.1	2.2	3.4	8.9
11	4.3	3.7	2.8	2.5	1.6	4.5	4.0	7.0	7.0	8.4	9.9	10.5	10.3	10.6	10.0	8.8	8.7	9.8	9.8	9.0	12.9	8.8	3.8	2.7	7.1
12	.8	2.3	2.7	2.8	7.4	6.0	3.5	2.0	2.6	3.4	3.0	5.4	7.4	9.9	11.7	10.1	9.1	8.1	8.4	11.6	10.4	9.0	9.0	8.9	6.5
13	9.8	7.6	4.2	5.9	7.5	6.9	6.3	3.6	2.9	4.0	6.1	4.8	5.3	CAL	CAL	8.8	14.0	5.0	9.3	17.5	16.6	13.3	11.4	8.3	8.1
14	6.6	7.4	6.4	3.3	5.2	2.1	5.7	5.5	12.0	17.4	16.1	CAL	CAL	11.1	3.4	6.1	10.3	13.2	9.1	4.4	4.3	5.3	8.5	5.8	7.7
15	8.2	6.3	6.0	6.2	8.8	7.2	8.1	7.5	5.5	9.1	16.5	10.6	10.8	8.9	24.6	21.6	23.0	17.1	9.8	7.8	4.3	5.0	3.6	7.2	10.1
16	9.9	7.4	5.1	2.1	3.2	1.9	3.9	5.0	6.5	8.8	11.5	12.9	10.9	9.8	7.8	10.7	16.9	14.9	14.0	4.9	6.6	6.3	6.0	4.7	8.0
17	3.9	3.8	5.8	4.9	4.5	4.5	5.2	11.4	12.0	10.2	17.6	17.9	14.4	15.7	12.3	10.7	12.6	10.0	6.2	6.6	5.3	3.4	5.5	3.9	8.7
18	4.7	4.6	5.7	5.1	5.5	4.3	3.7	3.2	2.9	3.4	4.9	5.9	7.8	8.7	10.7	10.2	8.2	7.0	8.4	9.6	8.4	5.6	2.4	2.3	6.0
19	1.2	5.9	10.9	10.9	13.7	10.6	7.1	6.4	5.4	3.2	5.6	7.0	7.5	7.0	4.4	4.1	6.6	13.6	11.8	3.0	5.7	3.2	2.5	1.8	6.6
20	2.4	5.2	3.7	2.9	2.9	2.4	3.5	3.1	3.0	3.3	4.0	5.6	5.7	4.8	4.9	6.1	5.5	6.0	5.0	10.2	17.5	11.1	11.2	9.8	5.8
21	6.9	6.8	8.7	10.5	7.0	6.2	4.0	3.9	3.6	7.7	7.6	6.1	5.5	4.6	3.1	11.8	8.9	9.6	11.3	7.4	6.6	6.3	5.1	5.1	6.8
22	3.7	4.6	8.8	7.8	4.6	4.3	3.8	7.0	7.9	8.8	8.0	6.2	12.2	6.6	10.7	5.3	13.8	13.9	8.0	6.0	4.4	7.6	7.0	5.3	7.4
23	5.7	4.9	4.0	5.4	5.7	6.7	6.5	5.7	7.0	7.8	6.2	5.2	6.0	5.0	6.3	5.9	6.7	12.3	13.9	11.1	7.5	5.1	5.9	5.5	6.8
24	4.3	5.1	7.0	7.4	4.8	5.8	9.4	10.4	9.5	8.3	12.9	9.3	6.8	12.5	14.0	8.0	11.0	11.2	9.8	11.4	10.1	8.4	2.6	4.1	8.5
25	3.6	4.1	6.1	6.1	5.3	5.1	8.3	7.6	5.7	5.0	4.6	4.7	3.5	2.2	2.4	2.9	3.4	2.0	3.0	6.2	3.2	7.0	4.8	3.8	4.6
26	4.5	3.3	5.4	5.9	4.7	3.7	2.5	2.4	5.7	8.6	6.0	4.8	5.4	20.2	16.7	10.3	5.5	6.0	8.4	9.4	12.0	7.0	12.0	13.5	7.7
27	12.5	8.7	11.7	10.8	9.8	12.4	12.0	5.2	4.0	9.9	11.0	10.2	9.7	6.3	9.1	11.9	5.8	6.5	10.6	11.3	10.8	5.3	8.5	9.5	9.3
28	8.4	10.7	9.0	7.0	5.1	6.7	6.1	3.9	4.8	4.1	3.4	3.8	4.9	6.4	5.9	15.8	19.1	19.0	14.8	13.4	5.3	6.2	1.6	3.4	7.9
29	3.8	5.6	6.7	5.6	2.2	3.0	2.3	3.6	5.5	4.1	2.3	5.6	10.8	12.6	13.5	13.8	10.1	9.2	11.0	6.4	7.8	9.3	7.4	11.6	7.2
30	15.0	12.1	11.8	5.3	6.2	4.3	5.6	6.7	6.8	6.5	4.7	5.4	6.3	6.7	7.5	8.1	9.9	8.9	11.1	7.9	6.2	4.7	2.4	2.9	7.2
31	3.6	5.0	7.5	6.6	3.2	3.3	4.3	4.0	3.1	2.7	3.3	5.9	5.1	7.6	6.8	7.3	8.8	13.4	17.2	12.9	13.4	18.4	9.8	9.9	7.6
HOURLY MEAN	6.3	6.1	6.7	6.2	6.1	6.1	6.0	6.0	5.9	6.8	8.5	8.6	9.1	10.5	11.0	10.8	11.3	10.9	10.2	8.9	7.9	7.4	6.9	6.6	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	12.4	9.8	11.9	21.1	30.3	22.4	18.9	18.1	14.7	17.6	12.9	11.7	17.5	17.4	24.6	16.9	17.9	10.7	13.7	17.5	11.8	13.9	13.9	14.0	8.3
MIN	1.1	3.2	4.3	3.4	4.8	3.9	2.8	3.6	1.9	2.2	1.6	.8	2.9	2.1	3.6	1.9	3.4	2.3	1.2	2.4	3.1	3.7	4.0	2.6	2.0
DAY	26	27	28	29	30	31																			
MAX	20.2	12.5	19.1	13.8	15.0	18.4																			
MIN	2.4	4.0	1.6	2.2	2.4	2.7																			

MONTHLY AVERAGE = 7.9    MONTHLY MAXIMUM = 30.3    MONTHLY MINIMUM = .8  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 99.5%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 5/ 1/1993 TO : 5/31/1993

WIND DIRECTION (DEGREES)  
MAY - 1993

HOUR																								
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	304	265	40	53	40	21	34	18	354	14	329	348	354	9	18	25	27	44	74	93	113	136	188	194
2	175	179	164	196	187	177	191	199	185	78	84	97	87	83	92	96	97	90	129	153	158	164	182	192
3	200	198	181	189	191	195	198	203	196	152	145	105	123	138	169	170	181	216	21	197	244	211	218	192
4	181	165	202	209	341	17	359	344	343	270	175	172	141	181	176	159	156	177	165	159	180	206	171	158
5	171	38	27	359	23	272	271	337	341	13	149	134	160	175	192	234	215	207	202	21	53	155	143	116
6	94	98	36	329	313	299	358	13	329	40	48	26	19	120	78	92	286	290	296	293	282	240	213	196
7	213	193	179	202	198	195	193	209	285	56	86	103	121	272	317	359	357	358	347	343	358	19	235	212
8	239	257	257	256	261	156	158	242	25	60	28	73	12	350	41	31	56	347	259	348	63	342	37	33
9	355	11	1	251	168	186	232	298	5	17	278	316	354	35	357	344	8	38	44	64	114	142	233	235
10	193	205	211	192	195	188	199	251	312	347	12	355	354	4	1	14	19	33	38	53	48	41	354	323
11	343	329	335	2	137	243	292	338	12	38	20	7	343	15	36	28	31	39	66	76	98	113	183	217
12	101	63	80	82	102	121	147	163	297	2	51	74	77	85	73	81	94	106	116	121	146	154	164	139
13	146	152	168	162	150	163	209	226	205	153	160	136	156	CAL	CAL	23	341	219	187	170	178	187	193	209
14	223	216	251	253	285	306	206	49	5	13	3	CAL	CAL	31	139	319	276	279	285	255	95	188	215	205
15	152	164	193	185	213	211	212	222	220	310	314	298	303	324	17	13	19	13	2	356	334	339	1	121
16	152	156	153	83	138	312	345	1	349	356	347	335	313	299	251	224	210	209	201	170	131	159	190	264
17	183	194	201	172	188	200	27	24	10	24	22	24	358	353	324	270	251	247	241	223	218	196	222	228
18	177	194	197	207	198	187	208	317	310	310	35	48	355	24	22	28	358	349	358	265	35	84	219	308
19	226	191	205	198	24	330	314	247	249	340	32	33	46	29	344	15	46	39	63	152	327	304	85	209
20	236	219	162	184	280	265	320	335	9	77	90	73	129	133	182	2	10	25	61	61	49	130	193	196
21	185	184	166	198	207	207	254	351	25	24	46	21	95	76	106	337	49	123	142	171	172	317	358	170
22	297	166	175	300	323	288	307	337	10	7	22	33	179	83	301	89	23	18	306	258	242	352	93	159
23	162	155	181	188	199	173	182	178	126	101	89	110	43	339	13	46	26	38	58	67	50	33	52	20
24	49	71	80	40	24	21	42	50	89	104	97	92	78	22	92	106	61	31	69	24	40	65	42	20
25	28	51	43	39	27	21	9	9	358	342	6	31	30	121	319	19	14	339	323	205	198	109	138	182
26	219	217	200	237	251	208	241	263	230	207	186	172	153	291	344	67	62	115	153	181	195	168	200	208
27	194	186	204	198	193	198	215	207	215	31	58	66	85	69	322	286	93	137	206	190	173	185	205	223
28	185	134	157	124	172	222	283	279	325	18	8	66	13	279	253	191	177	159	163	149	13	44	95	286
29	232	170	173	205	270	32	28	0	351	358	52	96	129	133	64	78	130	116	56	143	191	219	194	204
30	208	210	223	303	294	302	342	33	61	70	65	75	69	68	68	29	24	34	53	60	102	149	322	209
31	179	201	204	259	313	42	340	335	354	343	357	61	77	48	61	95	154	159	186	169	187	181	165	153

TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744 VALID DATA RECOVERY RATE = 99.5% OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMHP  
SITE 4 FROM : 5/ 1/1993 TO : 5/31/1993

SIGMA THETA (DEGREES)  
MAY - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	22	42	16	10	14	5	9	15	22	20	31	25	23	26	22	18	18	12	7	12	7	6	11	2	16
2	11	4	6	9	6	6	8	9	18	46	24	33	53	43	19	10	9	12	16	11	3	3	11	6	16
3	11	6	8	5	3	4	4	6	11	36	34	28	32	28	26	28	12	50	23	36	15	10	16	11	18
4	8	36	19	14	26	21	25	19	16	61	11	22	26	24	13	11	13	7	10	6	8	14	13	9	18
5	31	58	11	20	43	53	21	32	26	42	29	19	10	14	10	12	9	9	33	20	33	19	9	23	24
6	12	15	18	10	10	7	26	24	22	20	23	50	46	54	21	27	26	5	3	4	11	14	10	6	19
7	7	25	16	9	17	4	9	15	54	41	43	37	25	43	23	15	15	16	11	9	21	22	59	17	23
8	25	8	16	12	23	20	29	39	21	36	28	25	59	31	17	12	15	51	40	25	54	46	8	6	27
9	29	28	17	68	21	18	13	41	22	23	39	43	27	19	29	28	32	20	10	10	19	34	15	15	26
10	9	8	7	9	9	4	7	32	39	27	24	21	19	19	20	14	15	7	6	5	14	14	38	10	16
11	8	21	15	17	57	11	32	19	25	28	23	24	21	28	24	27	19	16	6	6	5	7	29	19	20
12	27	12	27	19	8	11	12	29	61	47	37	34	28	12	11	14	18	14	5	3	8	10	15	7	20
13	4	7	16	7	5	14	8	24	44	32	34	51	26	CAL	CAL	25	23	57	36	7	4	7	7	9	20
14	12	10	10	28	27	63	33	64	17	13	14	CAL	CAL	54	55	39	10	10	6	52	20	9	23	61	29
15	7	11	25	18	7	8	7	12	16	30	15	19	24	28	19	17	8	8	12	11	18	8	65	15	17
16	8	7	8	44	33	31	12	14	14	17	11	13	11	12	22	5	9	11	9	47	22	6	16	20	17
17	35	8	8	10	8	17	17	7	11	11	8	7	12	11	15	8	5	6	7	6	5	9	8	17	11
18	13	5	9	7	4	7	17	32	31	47	34	34	40	36	28	31	23	13	17	42	40	41	30	42	26
19	62	9	3	4	22	16	13	17	21	71	35	32	30	38	50	40	31	15	13	48	17	30	34	42	29
20	14	14	14	18	33	24	16	28	32	61	46	36	53	53	54	41	44	20	20	39	22	24	21	6	31
21	12	9	5	9	14	10	17	23	23	18	23	28	53	56	44	32	60	10	21	43	10	67	28	44	27
22	47	54	21	42	22	21	17	12	23	19	33	43	75	15	31	38	17	23	17	21	17	65	19	15	30
23	19	15	12	16	9	5	12	13	24	22	36	37	43	36	40	33	20	12	7	5	23	12	31	15	21
24	22	15	33	17	37	12	8	14	15	17	9	13	19	47	14	17	11	18	21	10	9	9	41	37	19
25	18	21	18	12	8	12	11	10	14	11	25	21	34	47	67	58	48	36	24	22	34	6	14	12	24
26	19	28	6	16	13	26	22	35	22	10	25	32	35	30	24	20	21	19	19	4	8	23	20	5	20
27	6	23	5	3	4	5	10	23	24	19	20	16	22	21	26	43	50	29	18	14	11	29	14	6	18
28	17	24	28	23	20	33	17	22	23	38	48	42	64	32	36	12	15	7	7	11	67	17	66	39	30
29	36	15	13	14	70	25	36	20	21	25	48	34	21	19	68	23	10	19	23	17	13	6	14	13	25
30	5	3	42	25	17	13	13	19	24	27	45	34	29	24	27	24	12	13	6	12	33	23	60	30	23
31	42	28	6	24	44	41	8	19	37	50	47	24	37	27	30	23	22	7	30	7	8	5	16	16	25
HOURLY MEAN	19	18	15	17	20	18	16	22	25	31	29	29	33	31	30	24	21	18	16	18	19	19	25	18	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	42	53	50	61	58	54	59	59	68	39	57	61	57	64	65	47	35	47	71	61	67	75	43	47	67
MIN	2	3	3	6	9	3	4	6	10	4	5	3	4	6	7	5	5	4	3	6	5	12	5	8	6

  

DAY	26	27	28	29	30	31
MAX	35	50	67	70	60	50
MIN	4	3	7	6	3	5

MONTHLY AVERAGE = 22.1    MONTHLY MAXIMUM = 74.9    MONTHLY MINIMUM = 1.7  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 99.5%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQHMP  
SITE 4 FROM : 5/ 1/1993 TO : 5/31/1993

TEMPERATURE (DEGREES F)  
MAY - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	35.3	35.5	36.0	35.4	34.8	34.2	33.9	34.4	35.8	38.0	40.5	42.9	45.3	48.2	50.2	51.0	52.2	51.7	48.0	43.6	41.0	39.3	40.1	41.5	41.2
2	39.3	36.8	34.4	34.2	34.4	34.7	39.1	44.5	50.9	55.1	56.3	57.8	59.7	60.7	60.3	59.8	59.5	59.8	58.6	57.7	56.8	54.0	50.8	50.7	50.2
3	49.2	47.3	46.7	46.2	45.5	45.0	48.6	54.4	60.2	63.7	65.2	65.9	67.8	68.9	70.4	70.3	69.4	68.5	65.1	64.1	61.5	59.3	55.7	54.6	58.9
4	54.4	53.0	51.9	51.1	48.8	48.4	46.6	48.8	55.3	64.3	71.6	73.4	75.1	77.0	76.7	76.4	76.1	76.0	73.3	68.6	67.6	66.4	63.4	61.1	63.6
5	62.9	58.3	52.5	51.1	49.8	49.3	52.4	55.3	57.3	60.1	62.5	63.4	68.5	68.2	67.8	65.1	65.0	64.8	62.1	56.4	54.3	56.3	53.1	49.8	58.6
6	47.0	46.1	44.8	45.3	43.1	41.2	42.4	44.7	48.7	50.9	53.8	56.7	58.3	60.6	61.4	61.6	61.7	59.8	58.3	57.5	55.8	56.9	57.1	55.5	52.9
7	54.3	51.8	49.4	48.3	48.2	49.0	53.2	56.3	61.0	62.0	63.4	64.8	65.2	57.4	47.7	48.6	50.0	49.5	48.8	47.4	46.9	46.6	46.0	45.5	52.6
8	45.5	44.6	45.0	44.5	44.4	42.6	43.5	48.9	50.1	51.7	52.4	53.8	54.0	51.4	54.1	53.4	53.5	52.3	48.9	43.1	42.2	42.7	41.5	39.9	47.7
9	39.8	40.2	40.0	38.8	38.6	39.5	42.1	45.4	46.8	48.8	46.8	47.7	51.1	51.4	52.7	52.7	53.3	52.5	50.3	48.5	47.8	47.7	46.1	44.7	46.4
10	42.8	41.4	40.3	39.5	38.2	37.6	41.1	47.1	50.8	52.9	55.3	56.9	59.2	61.3	62.7	64.0	63.9	62.8	59.7	55.6	52.4	51.0	49.7	49.5	51.5
11	48.4	45.8	43.5	41.7	40.5	41.2	44.1	47.7	50.8	53.1	55.1	57.3	59.1	60.8	62.0	62.7	63.1	62.6	60.6	58.0	56.0	54.6	54.0	54.3	53.2
12	54.4	53.9	53.0	52.6	50.6	50.3	51.6	55.1	58.5	59.6	60.8	63.3	63.8	63.6	63.8	64.8	65.4	65.1	62.3	58.5	55.9	56.4	55.6	50.9	57.9
13	50.5	50.2	49.7	48.4	46.1	46.8	52.7	58.3	62.7	65.9	68.6	72.1	74.7	CAL	CAL	77.1	72.3	71.1	69.3	64.6	62.7	62.2	61.0	60.2	61.2
14	59.3	59.5	61.0	61.6	62.1	64.7	62.7	67.5	69.6	70.2	70.8	CAL	CAL	61.2	71.7	71.9	69.7	68.2	64.6	62.7	61.8	59.8	59.3	55.5	64.3
15	52.8	52.7	52.7	51.4	51.3	53.1	56.6	61.5	66.1	70.2	71.5	72.4	74.3	75.4	70.5	63.6	59.0	57.2	56.0	55.2	54.6	53.4	51.6	50.7	59.7
16	50.5	50.9	51.2	50.4	50.2	50.8	51.8	53.6	55.1	56.8	59.0	62.4	63.1	61.9	61.6	60.8	58.4	57.8	57.7	56.8	54.9	54.7	53.8	54.1	55.8
17	53.9	53.9	52.8	52.0	52.0	51.6	52.3	54.2	56.6	57.7	56.4	54.3	52.3	52.7	50.6	50.2	50.9	51.3	51.5	51.4	52.1	51.6	51.3	50.8	52.7
18	47.8	47.3	47.7	47.3	46.8	47.7	51.3	55.0	57.4	60.0	62.2	63.9	65.4	66.5	67.1	67.6	67.0	66.8	63.7	60.6	57.0	53.4	53.2	52.8	57.3
19	51.5	49.6	48.7	48.3	47.4	45.1	47.2	50.5	53.5	57.5	59.5	60.7	61.2	63.0	64.5	64.6	63.7	56.9	53.9	53.4	52.9	52.5	52.3	51.5	54.6
20	51.1	50.9	49.9	49.3	46.7	46.8	48.8	51.9	55.5	59.8	63.8	67.0	70.2	72.1	73.6	73.6	73.8	73.4	71.1	67.0	60.1	58.7	57.4	57.3	60.4
21	56.7	55.7	55.1	55.3	54.2	54.1	58.8	62.4	66.4	68.0	71.5	72.8	76.2	76.2	76.0	73.8	69.1	65.6	63.7	62.6	60.9	59.6	55.0	54.3	63.5
22	53.0	51.9	52.3	52.2	51.4	51.4	54.5	57.8	61.3	64.8	67.6	68.9	60.8	65.4	57.0	60.3	63.0	61.4	60.6	59.3	58.1	54.7	50.5	50.0	57.8
23	49.3	48.5	49.6	48.5	47.5	47.3	50.5	55.1	58.6	60.8	63.4	65.5	67.8	69.1	69.9	70.3	70.6	67.6	64.6	60.0	57.6	55.6	52.8	52.4	58.5
24	52.0	52.2	51.8	50.3	49.4	49.2	49.3	49.3	50.4	52.6	52.0	54.7	55.9	54.0	54.4	55.5	55.8	54.0	51.5	50.3	48.6	47.5	47.4	47.5	51.5
25	47.2	47.2	47.0	46.7	46.8	46.8	46.2	46.3	47.2	49.3	50.7	52.1	54.4	56.3	58.7	60.4	61.2	60.9	59.9	58.7	57.5	54.9	53.1	53.9	52.6
26	53.3	52.0	50.7	50.5	49.2	50.5	52.6	55.9	62.5	73.1	78.5	80.2	81.4	74.7	67.6	68.1	70.6	70.2	66.9	66.5	65.4	63.7	63.7	62.7	63.8
27	63.1	62.1	62.1	61.1	61.0	61.3	64.6	66.1	71.0	72.6	74.0	75.6	76.0	74.8	73.4	65.4	61.4	60.8	60.9	61.3	59.0	57.9	57.1	56.0	64.9
28	55.7	53.6	53.4	51.9	51.2	51.6	54.3	58.3	61.2	64.3	67.8	71.0	72.8	70.4	69.0	67.5	64.7	62.1	61.9	58.9	58.3	57.5	57.0	55.1	60.4
29	53.9	54.0	53.4	52.7	52.3	51.6	53.2	53.9	55.3	58.7	65.2	70.5	71.7	72.3	68.8	58.2	63.7	65.7	61.9	59.0	59.4	58.7	57.5	55.5	59.5
30	54.6	53.8	54.2	55.7	53.3	54.3	56.5	58.8	60.2	62.3	65.5	67.8	70.1	71.9	73.1	73.1	72.8	72.8	69.4	66.2	62.3	60.0	58.0	56.2	62.6
31	55.2	54.8	54.3	54.5	52.4	52.9	54.4	58.0	61.2	64.5	68.8	72.5	76.3	78.5	79.9	80.1	79.1	77.2	70.9	67.5	68.3	66.7	63.2	61.8	65.5
HOURLY																									
MEAN	51.1	50.2	49.5	48.9	48.0	48.1	50.2	53.5	56.7	59.7	61.9	63.6	65.1	64.9	64.6	64.3	63.9	62.8	60.5	58.1	56.4	55.3	53.8	52.8	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	52.2	60.7	70.4	77.0	68.5	61.7	65.2	54.1	53.3	64.0	63.1	65.4	77.1	71.9	75.4	63.1	57.7	67.6	64.6	73.8	76.2	68.9	70.6	55.9	61.2
MIN	33.9	34.2	45.0	46.6	49.3	41.2	45.5	39.9	38.6	37.6	40.5	50.3	46.1	55.5	50.7	50.2	50.2	46.8	45.1	46.7	54.1	50.0	47.3	47.4	46.2
DAY 26 27 28 29 30 31																									
MAX	81.4	76.0	72.8	72.3	73.1	80.1																			
MIN	49.2	56.0	51.2	51.6	53.3	52.4																			

MONTHLY AVERAGE = 56.8    MONTHLY MAXIMUM = 81.4    MONTHLY MINIMUM = 33.9  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 99.5%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 5/ 1/1993 TO : 5/31/1993

BAROMETRIC PRESSURE (INCHES)  
MAY - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
2	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.7
3	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6
4	24.5	24.5	24.5	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.4	24.4	24.4
5	24.4	24.4	24.4	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.4	24.4	24.4	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.6
6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6
7	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.4	24.4	24.4	24.4	24.4	24.5	24.5	24.5	24.4	24.4	24.5	24.5	24.5	24.5	24.5	24.5
8	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.7	24.7	24.7	24.7
9	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.0	25.0	25.0	25.0	24.9
10	25.0	25.0	25.0	25.0	25.0	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
11	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.0
12	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
13	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8
14	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
15	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8
16	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.8
17	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.8
18	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
19	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8
20	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7
21	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
22	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.6
23	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.8	24.8	24.7
24	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.9	24.9	24.9	24.9	25.0	25.0	24.9
25	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
26	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.8
27	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
28	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
29	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
30	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9
31	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8
HOURLY																									
MEAN	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	24.9	24.8	24.7	24.5	24.6	24.7	24.5	24.7	25.0	25.1	25.0	24.9	24.9	24.8	24.9	24.9	24.9	24.9	24.9	24.8	24.7	24.7	24.8	25.0	25.0
MIN	24.8	24.6	24.5	24.3	24.4	24.5	24.4	24.5	24.7	25.0	24.9	24.9	24.7	24.7	24.7	24.7	24.7	24.8	24.7	24.6	24.6	24.6	24.6	24.8	24.9
DAY	26	27	28	29	30	31																			
MAX	24.9	24.8	24.8	24.8	24.9	24.9																			
MIN	24.7	24.7	24.8	24.8	24.8	24.7																			

MONTHLY AVERAGE = 24.7    MONTHLY MAXIMUM = 25.1    MONTHLY MINIMUM = 24.3  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE



ROCKY MOUNTAIN ARSENAL CAQMP  
SITE 4 FROM : 5/ 1/1993 TO : 5/31/1993

PRECIPITATION (.01 INCHES)  
MAY - 1993

DAY	HOUR																								DAILY	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOTAL	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	0	0	0	0	0	0	0	0	0	0	8
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	0	0	6
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	1	0	10
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	1	6	0	4	1	0	0	0	0	0	0	0	0	0	12
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
20	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	82	0	3	0	0	0	0	0	0	0	0	0	0	85
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	5	3	0	0	0	0	0	0	15
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	4
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	12

MONTHLY TOTAL (INCHES)= 1.56 MONTHLY MAXIMUM (INCHES)= .82  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744 VALID DATA RECOVERY RATE = 100.0% OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 1 FROM : 5/ 1/1993 TO : 5/31/1993

RELATIVE HUMIDITY (PERCENT)  
MAY - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	84.8	85.1	85.4	87.3	89.7	90.9	90.4	90.1	88.7	83.1	72.6	58.5	46.8	38.2	31.6	27.0	21.4	19.9	22.5	30.7	33.7	39.9	45.2	42.7	58.6
2	43.3	51.0	56.1	59.8	66.7	65.8	60.9	46.8	35.0	21.1	18.6	17.6	16.7	16.2	16.5	16.9	17.2	16.9	17.4	17.3	17.5	18.6	29.5	34.8	32.4
3	36.9	40.3	45.8	45.1	45.5	47.2	45.2	38.4	27.6	17.8	15.6	14.9	14.5	14.2	13.8	13.6	13.9	14.3	15.7	17.4	18.3	21.5	36.1	38.5	27.2
4	37.7	35.8	35.2	40.1	55.3	59.1	59.3	55.6	45.8	34.0	16.2	13.1	12.6	12.0	12.0	12.1	12.3	12.2	12.8	13.6	14.2	14.3	15.2	16.0	26.9
5	16.0	32.3	50.5	54.4	57.2	60.5	59.2	55.7	56.5	52.3	38.3	33.8	13.8	13.7	13.8	14.3	14.3	14.4	15.1	17.2	18.7	19.0	29.7	43.4	33.1
6	54.6	58.6	65.6	62.0	77.3	92.6	88.3	79.5	62.0	52.3	41.3	28.5	25.2	21.0	19.9	19.2	18.5	19.1	19.7	19.8	20.7	19.8	18.7	22.2	41.9
7	22.8	25.4	29.3	36.2	37.8	38.4	36.3	30.5	21.8	20.6	18.9	17.7	16.8	30.9	80.7	91.1	87.6	88.9	90.7	93.4	93.9	95.6	95.7	95.5	54.0
8	71.2	45.5	45.5	43.1	42.7	41.0	60.0	36.9	30.0	25.9	26.0	21.0	19.1	25.4	21.3	22.9	21.1	21.8	29.4	67.7	91.3	91.0	87.8	89.8	44.9
9	90.7	91.8	90.8	89.4	89.4	88.5	87.6	67.5	52.1	37.0	39.2	44.7	33.2	35.5	24.6	24.3	25.0	26.8	37.1	43.3	42.8	42.0	46.5	51.3	54.2
10	54.7	58.7	60.0	60.3	63.7	74.6	69.1	50.0	40.4	30.7	21.1	20.3	17.9	16.2	15.3	14.8	14.6	15.0	16.5	18.4	20.2	20.4	23.3	25.9	34.3
11	27.8	32.1	39.4	43.5	46.4	47.6	47.7	43.3	40.5	37.9	33.5	25.1	23.4	21.6	22.6	22.9	23.0	24.2	29.8	38.3	43.8	48.2	52.2	53.7	36.2
12	54.0	55.3	58.2	69.7	73.9	78.6	83.3	73.8	60.2	54.5	49.2	44.3	43.0	43.3	44.5	42.3	41.0	41.4	44.2	52.0	57.1	59.2	63.1	81.4	57.0
13	89.0	91.2	91.4	92.6	95.0	96.7	88.3	68.9	54.6	43.9	36.9	26.7	18.4	14.9	12.8	12.6	16.4	16.2	17.3	27.3	36.0	35.3	35.0	34.0	48.0
14	37.0	37.6	35.4	32.1	29.0	23.6	33.2	26.2	21.4	21.1	20.2	19.8	22.4	47.6	29.1	20.1	22.8	24.5	33.7	38.5	43.6	43.7	48.3	61.0	32.2
15	63.2	64.7	66.1	68.3	70.4	68.8	62.2	47.5	36.9	27.8	23.5	21.3	17.7	15.5	26.1	44.4	72.9	76.5	85.5	91.9	94.2	95.3	97.5	96.5	59.8
16	96.2	95.2	95.7	96.6	96.9	97.3	96.6	94.7	93.4	92.2	89.5	77.7	67.6	78.4	76.3	80.3	87.8	91.1	88.0	89.4	92.0	92.3	92.9	94.5	89.7
17	96.0	94.0	91.5	91.4	91.3	91.2	94.0	86.6	75.3	69.0	71.1	80.9	93.6	92.8	95.9	96.5	93.9	91.0	92.1	91.8	89.6	88.1	89.9	90.2	89.1
18	91.4	93.9	95.0	95.2	94.9	94.3	92.6	83.4	71.0	60.9	46.6	35.9	29.2	26.6	25.7	24.2	22.2	21.0	26.5	35.4	51.8	73.3	77.9	74.2	60.1
19	79.6	87.8	94.9	94.0	94.4	96.9	93.9	84.2	70.1	53.6	46.2	CAL	CAL	CAL	39.7	39.4	40.9	69.4	77.7	82.2	82.8	87.7	89.0	90.2	75.9
20	91.3	94.1	95.7	98.9	100.0	101.0	86.7	77.5	71.4	67.6	62.2	52.6	44.2	38.9	36.5	35.1	34.9	34.6	35.8	43.7	66.1	65.7	71.4	73.5	65.8
21	75.0	77.5	78.1	79.2	80.6	77.6	71.8	65.4	60.6	56.2	47.2	43.7	37.8	37.8	36.4	37.3	41.7	45.1	51.0	60.2	63.7	69.8	89.2	90.4	61.4
22	93.7	95.0	95.5	94.2	96.5	97.4	93.3	83.6	72.7	63.2	56.0	50.0	60.7	52.0	65.9	64.0	54.7	59.8	48.1	46.5	47.4	60.8	81.8	85.1	71.6
23	88.3	90.5	85.0	84.6	85.8	84.6	81.1	69.8	62.7	57.5	49.7	44.7	39.6	36.0	34.3	34.4	34.1	38.6	42.2	50.2	57.2	59.7	62.5	68.7	60.1
24	73.6	73.1	74.4	76.4	75.9	77.2	75.2	75.9	78.6	74.9	77.2	73.3	70.5	76.5	84.0	81.0	81.6	83.2	91.9	92.9	92.6	93.3	94.5	94.9	80.9
25	95.6	96.2	98.9	100.0	100.0	101.0	101.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
26	93.3	95.8	96.4	98.0	99.9	98.3	98.0	94.6	78.7	50.1	30.0	26.1	23.8	28.8	39.8	40.5	39.8	38.5	43.8	46.1	47.9	51.7	51.7	48.9	60.9
27	48.0	47.7	48.6	49.6	48.9	48.7	45.6	44.8	41.8	40.4	38.0	34.7	33.9	34.1	30.2	48.2	66.3	70.1	72.7	69.1	69.2	71.9	73.5	81.7	52.4
28	81.4	83.3	84.0	87.6	89.5	88.3	88.5	80.7	75.1	67.7	57.8	49.8	44.0	43.2	42.4	45.5	49.5	56.5	56.0	65.1	67.2	71.0	71.3	91.7	68.2
29	96.4	97.1	90.0	90.9	93.7	94.8	94.7	97.1	98.8	90.7	77.5	52.7	42.5	40.2	44.0	69.7	64.3	57.2	62.7	67.8	71.8	69.4	75.5	77.0	75.7
30	75.9	74.5	73.0	68.2	69.0	70.2	68.7	68.0	68.3	67.4	61.8	54.2	46.8	42.6	40.5	38.8	38.2	38.5	42.5	45.5	57.3	69.1	79.8	81.3	60.0
31	77.3	78.1	86.5	85.8	87.5	86.9	87.3	81.0	74.5	67.8	60.4	47.1	35.1	23.6	20.0	19.9	23.7	31.0	51.5	58.4	55.6	62.8	69.0	73.3	60.2
HOURLY																									
MEAN	68.9	70.3	72.2	73.4	75.7	76.8	75.5	67.8	60.3	52.8	46.3	40.7	36.6	36.6	37.9	39.7	41.0	43.0	46.7	51.9	56.1	59.2	64.0	67.5	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	90.9	66.7	47.2	59.3	60.5	92.6	95.7	91.3	91.8	74.6	53.7	83.3	96.7	61.0	97.5	97.3	96.5	95.2	96.9	101.0	90.4	97.4	90.5	94.9	102.5
MIN	19.9	16.2	13.6	12.0	13.7	18.5	16.8	19.1	24.3	14.6	21.6	41.0	12.6	19.8	15.5	67.6	69.0	21.0	39.4	34.6	36.4	46.5	34.1	70.5	74.3
DAY 26 27 28 29 30 31																									
MAX	99.9	81.7	91.7	98.8	81.3	87.5																			
MIN	23.8	30.2	42.4	40.2	38.2	19.9																			

MONTHLY AVERAGE = 56.8    MONTHLY MAXIMUM = 102.5    MONTHLY MINIMUM = 12.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 99.6%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAGMMP  
SITE 1 FROM : 5/ 1/1993 TO : 5/31/1993

MAXIMUM WIND SPEED (MPH)  
MAY - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	3.2	3.8	5.6	10.6	12.6	12.7	13.1	12.1	9.9	12.4	11.4	16.0	16.8	22.6	20.5	21.7	18.8	18.0	14.4	12.5	14.7	11.6	10.6	9.6	13.1
2	10.6	10.1	10.9	11.4	10.9	9.6	14.1	14.8	12.3	14.4	15.2	16.9	13.1	15.3	15.0	15.3	15.8	14.6	4.4	5.5	10.2	11.7	13.7	12.3	12.4
3	13.0	15.9	10.4	13.4	13.5	14.6	14.9	13.3	12.0	13.8	13.6	15.0	17.5	20.0	21.7	29.3	19.2	14.9	10.2	17.2	15.3	8.9	8.4	9.6	14.8
4	9.3	7.3	14.3	10.8	11.6	7.5	6.5	7.7	8.8	8.5	29.9	29.4	19.7	25.5	27.6	25.9	25.5	25.1	25.1	22.3	17.1	13.2	14.6	16.7	17.1
5	14.5	17.2	16.6	10.6	9.1	7.8	8.7	10.6	15.0	14.5	31.5	38.0	40.7	40.2	46.5	31.7	33.4	26.3	13.6	8.7	15.1	29.8	28.2	20.2	22.0
6	12.3	9.8	8.2	17.1	25.4	19.1	14.5	15.5	10.1	14.5	17.6	13.3	10.9	9.8	17.9	15.9	28.2	32.2	30.7	23.1	16.5	30.7	24.8	13.9	18.0
7	12.4	9.8	12.8	11.9	10.6	12.4	12.4	10.5	12.1	13.0	11.9	18.7	18.8	37.8	27.5	21.1	17.9	15.2	8.3	8.1	4.2	4.1	9.8	8.8	13.8
8	15.2	13.4	8.6	6.5	6.5	8.8	8.3	11.5	13.0	15.6	18.5	19.9	31.5	28.7	25.9	28.9	17.9	36.0	19.8	23.3	6.1	16.3	17.9	11.3	17.1
9	8.4	3.4	5.1	5.2	5.5	7.4	8.1	11.1	14.3	18.9	25.7	27.3	19.3	25.6	18.9	18.0	16.6	17.3	11.2	8.6	5.7	4.7	9.2	10.6	12.8
10	7.9	10.1	9.9	7.6	9.0	9.8	9.3	7.2	11.6	17.3	19.8	22.0	24.9	23.8	25.0	26.6	26.3	22.3	19.1	12.0	7.3	2.6	3.6	4.8	14.2
11	4.9	3.6	2.5	2.7	4.1	6.3	8.9	10.6	14.6	18.3	17.4	18.7	19.3	20.7	20.9	17.9	17.7	15.6	14.7	15.7	16.8	15.5	5.8	5.2	12.4
12	2.8	5.0	7.7	8.0	9.7	8.1	5.7	5.5	8.0	8.4	10.9	12.9	17.4	19.5	18.1	17.9	15.8	13.8	11.9	14.5	14.6	11.9	11.5	12.4	11.3
13	12.6	9.7	8.4	9.0	8.9	7.0	9.3	7.1	6.5	10.7	12.7	12.0	12.1	20.5	16.9	15.9	35.1	13.7	16.1	22.1	22.7	17.9	13.8	11.8	13.9
14	9.2	9.4	8.5	6.1	11.8	5.4	11.2	12.9	22.1	23.7	22.5	32.6	36.9	29.0	10.1	12.2	21.1	18.6	15.6	13.2	8.9	9.0	11.3	12.4	15.6
15	13.0	12.2	12.6	10.0	11.9	10.4	11.2	11.0	10.7	22.5	24.7	18.5	20.8	18.9	42.9	33.0	35.0	28.0	14.7	13.8	8.1	7.6	13.6	12.0	17.4
16	16.7	12.5	8.4	5.1	4.7	3.2	7.4	8.6	8.5	13.4	19.0	18.5	17.9	13.3	11.7	17.0	21.7	19.2	20.2	7.7	8.8	9.5	9.7	7.2	12.1
17	7.9	6.2	9.8	8.1	6.5	8.6	12.6	21.5	17.3	16.5	22.8	27.7	22.9	22.0	16.9	14.5	16.5	14.9	8.7	9.5	8.0	6.5	7.3	6.9	13.3
18	10.2	9.9	8.4	6.8	8.8	8.8	7.9	6.0	7.6	8.3	12.3	14.2	15.3	15.8	18.6	18.5	13.8	13.0	19.5	26.4	17.5	8.1	7.5	4.7	12.0
19	4.8	10.8	13.4	27.3	32.2	15.9	11.8	12.5	10.1	10.2	13.4	CAL	CAL	CAL	15.1	14.1	19.6	26.4	17.3	7.2	9.8	5.2	5.5	4.7	13.7
20	7.5	7.6	6.1	6.3	7.8	4.5	6.3	6.0	6.8	8.7	10.0	12.3	12.5	12.3	13.4	11.8	11.3	10.1	7.6	32.3	31.7	19.3	15.6	14.4	11.8
21	10.3	10.3	11.9	13.0	12.7	9.5	7.2	8.6	11.0	12.2	13.8	12.3	12.4	13.8	8.1	30.0	14.9	15.3	17.5	12.6	10.8	15.6	8.2	10.1	12.6
22	10.3	11.5	12.1	10.5	5.9	7.2	7.3	11.6	12.8	15.7	16.7	39.4	30.6	22.6	37.8	10.6	22.3	21.5	20.6	10.0	7.4	17.9	10.3	9.2	15.9
23	8.3	8.1	8.1	9.7	8.8	9.6	11.3	10.2	12.4	14.3	12.1	15.4	13.9	15.2	13.2	12.2	13.9	18.3	20.6	12.5	8.6	9.0	8.6	8.5	11.8
24	6.7	11.3	11.2	11.1	8.7	9.2	14.3	14.8	14.1	16.0	17.7	18.3	12.6	21.3	19.0	17.0	18.1	14.7	23.3	18.4	13.4	13.5	5.2	10.2	14.2
25	6.8	6.4	10.3	8.6	7.8	10.2	10.5	10.5	9.7	7.5	8.2	9.3	8.3	7.7	7.7	8.1	7.1	5.4	4.7	11.1	5.1	10.3	9.2	7.6	8.2
26	6.8	5.5	8.3	8.2	7.2	7.3	4.5	6.7	11.8	15.1	16.4	14.5	13.3	51.1	31.0	18.6	11.0	10.0	11.0	11.2	17.2	15.8	15.9	14.9	13.9
27	20.2	13.6	13.2	12.9	13.6	15.1	15.9	11.6	8.9	18.5	17.1	19.2	17.6	20.9	29.4	25.2	11.3	11.2	15.4	18.5	20.0	9.9	13.0	11.6	16.0
28	12.4	22.2	14.4	10.0	10.9	11.1	8.9	8.2	9.0	9.3	9.9	14.4	10.9	12.4	11.4	27.4	31.0	25.1	26.6	24.6	9.9	10.3	5.3	6.8	14.3
29	7.5	8.0	9.6	9.0	6.2	5.7	4.0	7.2	8.0	8.5	5.1	16.3	19.1	22.4	30.4	23.2	16.2	18.0	24.0	12.4	10.8	13.3	10.9	18.0	13.1
30	16.3	13.5	21.0	9.0	10.5	8.7	8.3	11.2	13.5	12.6	10.7	11.5	14.5	19.7	22.2	14.2	18.7	15.9	15.1	12.8	10.7	8.3	6.4	7.2	13.0
31	13.7	10.3	9.3	9.2	8.3	5.6	8.5	7.9	9.1	10.4	9.4	12.2	14.4	15.4	16.8	15.6	18.2	22.0	28.9	17.5	23.5	27.2	15.8	14.3	14.3
HOURLY MEAN	10.2	9.9	10.2	9.9	10.4	9.3	9.8	10.5	11.3	13.7	16.1	18.9	18.5	21.5	21.2	19.7	19.7	18.5	16.5	15.0	12.8	12.7	11.3	10.6	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	22.6	16.9	29.3	29.9	46.5	32.2	37.8	36.0	27.3	26.6	20.9	19.5	35.1	36.9	42.9	21.7	27.7	26.4	32.2	32.3	30.0	39.4	20.6	23.3	11.1
MIN	3.2	4.4	8.4	6.5	7.8	8.2	4.1	6.1	3.4	2.6	2.5	2.8	6.5	5.4	7.6	3.2	6.2	4.7	4.7	4.5	7.2	5.9	8.1	5.2	4.7
DAY	26	27	28	29	30	31																			
MAX	51.1	29.4	31.0	30.4	22.2	28.9																			
MIN	4.5	8.9	5.3	4.0	6.4	5.6																			

MONTHLY AVERAGE = 14.1    MONTHLY MAXIMUM = 51.1    MONTHLY MINIMUM = 2.5  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 99.6%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 1 FROM : 5/ 1/1993 TO : 5/31/1993

10M-2M TEMPERATURE DIFFERENCE  
MAY - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	.1	.1	.1	.1	.0	-.1	-.2	-.3	-.5	-.8	-1.1	-1.5	-1.6	-1.7	-1.6	-.9	-.7	.1	.8	2.3	2.3	5.4	4.0	5.3	.4
2	6.1	4.2	4.4	4.8	5.4	3.2	-.1	-.7	-.8	-.9	-1.2	-1.2	-1.1	-.8	-.3	.1	.2	.2	1.5	3.6	8.6	8.0	4.6	1.6	2.1
3	3.7	3.7	4.3	3.5	2.9	1.7	-.1	-.6	-.7	-.8	-1.1	-1.1	-1.1	-1.1	-1.1	-.6	.1	.2	1.4	3.5	3.5	4.4	4.7	5.8	1.5
4	5.9	9.4	5.6	4.3	3.9	1.9	.9	-.7	-1.1	-.9	-1.3	-1.4	-.8	-1.2	-.4	.2	.5	.8	1.4	2.4	2.8	4.5	4.7	3.9	1.9
5	4.1	3.9	1.8	3.6	2.4	2.9	.0	-.9	-1.1	-.8	-.3	-.8	-1.6	-1.4	-1.4	-.9	-.3	.2	2.4	1.5	1.7	.6	.6	.7	.7
6	1.0	1.0	1.2	.8	.3	.2	-.0	-.9	-1.2	-1.2	-1.3	-1.3	-1.0	-1.0	-1.3	-.3	-.1	.3	.7	.9	1.8	1.5	1.8	3.8	.2
7	5.0	5.5	4.5	3.8	5.3	3.7	-.3	-.4	-.7	-1.1	-.9	-1.3	-1.0	-.2	.4	-.2	-.8	-.2	.4	1.6	2.0	1.3	3.0	3.7	1.4
8	3.9	4.5	2.9	3.0	3.0	4.4	.7	-.4	-1.0	-.9	-1.3	-1.5	-1.0	-1.6	-1.6	-1.3	-.3	.4	.2	.8	.7	.6	.8	1.7	.7
9	1.2	.6	1.6	3.3	5.4	3.9	.3	-.5	-1.0	-1.2	-1.0	-1.5	-1.8	-1.6	-1.3	-1.2	-.8	-.1	1.2	1.8	4.0	5.6	5.4	3.4	1.1
10	4.2	4.7	5.2	6.3	3.6	2.3	-.2	-.5	-.8	-1.4	-1.9	-2.0	-2.3	-2.2	-2.0	-1.5	-.8	.1	1.8	3.4	3.5	3.1	4.4	3.6	1.3
11	3.2	3.5	2.5	4.3	8.9	5.9	-.2	-1.2	-1.3	-1.4	-1.9	-2.3	-2.0	-1.7	-1.4	-1.4	-.8	-.4	.2	.3	.2	.3	.8	1.2	.6
12	.9	1.2	1.4	1.4	1.7	1.1	-.1	-.3	-.7	-1.0	-.9	-1.2	-1.3	-.7	-.8	-.6	-.5	-.0	1.2	1.2	1.9	3.0	3.4	3.1	.6
13	3.7	4.6	6.4	6.3	4.6	1.5	-.2	-.5	-.5	-.8	-1.1	-1.1	-1.1	-1.4	-1.3	-1.0	1.0	1.2	1.8	.9	.9	1.5	3.0	5.6	1.4
14	6.5	5.0	4.6	5.1	7.5	6.7	1.5	-.6	-1.4	-1.7	-1.1	-1.7	-.3	.2	-.8	-.7	.1	-.1	1.2	2.2	6.1	6.3	5.2	5.3	2.3
15	6.3	6.2	6.3	5.6	6.1	2.9	-.2	-.5	-.6	-1.2	-1.4	-1.7	-1.8	-1.8	-1.0	.6	.1	.2	.3	.4	.6	.7	.3	.2	1.1
16	.4	.6	.7	1.1	1.1	.7	-.2	-.6	-.7	-.9	-1.6	-2.0	-.9	-.1	-.1	-.2	-.3	-.2	.4	1.7	1.4	3.4	2.9	3.5	.4
17	3.3	2.3	3.9	3.8	4.0	3.1	.3	-.0	-.9	-.6	.0	-.0	.3	.2	.1	-.1	-.0	.2	.6	2.3	2.8	3.4	4.6	5.0	1.6
18	4.7	2.0	1.0	1.8	3.7	2.2	-.1	-.8	-.7	-.8	-1.1	-1.3	-1.6	-1.7	-1.7	-1.7	-.7	.1	3.2	1.8	2.6	1.7	3.7	4.0	.9
19	4.5	5.2	3.6	2.1	1.1	.7	-.2	-.5	-.7	-.9	-1.0	CAL	CAL	CAL	-1.3	-.6	-.2	.7	.4	1.1	1.3	.8	1.1	3.4	1.0
20	2.9	4.3	5.3	6.1	3.0	2.1	.8	-.7	-.9	-1.1	-1.1	-1.3	-1.3	-1.2	-.7	-.9	-.6	.1	1.7	1.1	.8	1.2	1.7	1.8	1.0
21	4.3	3.4	3.6	3.2	3.3	3.4	-.1	-1.0	-1.4	-1.6	-1.6	-1.2	-1.1	-.4	-.2	-.3	.3	.3	.5	3.1	5.9	3.3	2.5	3.4	1.3
22	3.4	1.9	1.7	3.6	2.8	1.9	-.2	-1.1	-1.5	-1.6	-1.7	-.8	3.5	.5	1.8	.4	-.1	.3	1.0	2.3	4.6	4.0	2.7	4.3	1.4
23	3.5	2.8	6.4	6.1	3.9	1.4	-.2	-.5	-.7	-1.0	-1.0	-.7	-.8	-1.1	-1.1	-.4	.1	.6	.8	1.2	1.6	2.3	2.5	1.7	1.1
24	1.3	1.0	.9	.5	.5	.4	-.0	-.3	-.6	-.6	-.8	-1.4	-.6	.1	-.9	-.2	-.3	.5	.3	.5	.3	.2	.2	.2	.0
25	.1	.1	.0	.0	.0	-.0	-.1	-.2	-.5	-.7	-.6	-.7	-.6	-.4	-.7	-.8	-.6	-.2	.1	.6	1.9	2.6	3.7	6.4	.4
26	3.7	4.0	3.1	2.7	2.7	1.4	-.0	-.2	-.3	-.7	-.5	-.7	-.6	.2	-.2	.3	.1	1.3	2.8	4.1	1.9	3.0	3.1	2.7	1.4
27	2.4	3.6	3.7	3.9	4.3	1.5	.7	.6	-.2	-1.1	-1.1	-.6	-.3	.8	.5	1.1	.9	.8	.9	1.3	1.1	3.0	3.1	2.3	1.4
28	2.7	1.6	2.1	2.2	4.2	1.5	-.3	-.5	-1.0	-1.1	-.9	-.9	-.8	.2	.8	.2	.0	.0	.4	.4	1.8	1.4	2.6	2.5	.8
29	2.8	2.9	2.5	2.3	3.1	.6	-.1	-.4	-.9	-.9	-.6	-1.0	-.9	-1.3	-.3	.7	.1	.3	.7	4.3	5.3	6.4	4.3	2.7	1.4
30	2.1	3.3	2.4	3.1	3.7	1.0	-.6	-1.1	-1.0	-1.1	-1.1	-1.0	-1.2	-1.2	-1.2	-.4	-.2	.2	1.2	1.3	2.2	3.9	3.7	5.2	1.0
31	4.2	5.1	3.5	3.9	2.3	1.4	-.7	-.9	-1.0	-.9	-1.2	-1.2	-1.1	-1.2	-1.0	-.5	-.2	.1	1.7	3.7	3.0	1.2	2.2	2.8	1.1
HOURLY MEAN	3.3	3.3	3.1	3.3	3.4	2.1	.0	-.6	-.9	-1.0	-1.1	-1.2	-.9	-.8	-.7	-.4	-.2	.2	1.1	1.9	2.5	2.9	2.9	3.3	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	5.4	8.6	5.8	9.4	4.1	3.8	5.5	4.5	5.6	6.3	8.9	3.4	6.4	7.5	6.3	3.5	5.0	4.7	5.2	6.1	5.9	4.6	6.4	1.3	6.4
MIN	-1.7	-1.2	-1.1	-1.4	-1.6	-1.3	-1.3	-1.6	-1.8	-2.3	-2.3	-1.3	-1.4	-1.7	-1.8	-2.0	-.9	-1.7	-1.3	-1.3	-1.6	-1.7	-1.1	-1.4	-.8

  

DAY	26	27	28	29	30	31
MAX	4.1	4.3	4.2	6.4	5.2	5.1
MIN	-.7	-1.1	-1.1	-1.3	-1.2	-1.2

MONTHLY AVERAGE = 1.1    MONTHLY MAXIMUM = 9.4    MONTHLY MINIMUM = -2.3  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 99.6%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMP  
SITE 3 FROM : 5/ 1/1993 TO : 5/31/1993

SOLAR RADIATION (LANGLEYS/HR)  
MAY - 1993

		HOUR																								DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	.0	.0	.0	.0	.0	.0	.1	.1	.2	.5	.9	.9	1.4	1.2	1.2	.7	.6	.3	.0	.0	.0	.0	.0	.0	.0	.3
2	.0	.0	.0	.0	.0	.1	.4	.7	1.0	1.3	1.4	1.5	1.5	1.0	.5	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.4
3	.0	.0	.0	.0	.0	.1	.4	.7	.9	1.3	1.4	1.5	1.5	1.4	1.0	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.5
4	.0	.0	.0	.0	.0	.1	.2	.4	.9	1.2	1.4	1.3	1.0	1.2	.6	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.4
5	.0	.0	.0	.0	.0	.1	.2	.6	.6	.7	.5	1.0	1.4	1.4	1.1	.8	.4	.3	.1	.0	.0	.0	.0	.0	.0	.4
6	.0	.0	.0	.0	.0	.0	.1	.6	.8	1.0	1.3	1.5	1.3	1.4	1.3	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.4
7	.0	.0	.0	.0	.0	.1	.4	.5	.9	1.2	1.3	1.5	.9	.2	.2	.4	.5	.2	.1	.0	.0	.0	.0	.0	.0	.4
8	.0	.0	.0	.0	.0	.1	.3	.7	1.0	1.3	1.3	1.6	1.0	1.2	1.3	.9	.4	.1	.0	.0	.0	.0	.0	.0	.0	.5
9	.0	.0	.0	.0	.0	.1	.4	.7	.9	1.0	.6	1.4	1.6	1.4	.9	.8	.6	.3	.1	.0	.0	.0	.0	.0	.0	.4
10	.0	.0	.0	.0	.0	.1	.4	.7	1.0	1.3	1.5	1.5	1.5	1.4	1.2	1.0	.6	.3	.1	.0	.0	.0	.0	.0	.0	.5
11	.0	.0	.0	.0	.0	.1	.4	.7	1.0	1.3	1.4	1.5	1.6	1.4	1.2	.9	.7	.3	.1	.0	.0	.0	.0	.0	.0	.5
12	.0	.0	.0	.0	.0	.1	.1	.3	.7	.6	1.0	1.2	1.1	.7	.7	.7	.6	.3	.0	.0	.0	.0	.0	.0	.0	.3
13	.0	.0	.0	.0	.0	.1	.4	.7	1.0	1.2	1.4	1.5	1.5	1.4	1.0	.9	.2	.1	.1	.0	.0	.0	.0	.0	.0	.5
14	.0	.0	.0	.0	.0	.1	.3	.7	1.0	1.1	.8	1.2	.7	.4	1.2	.7	.2	.3	.0	.0	.0	.0	.0	.0	.0	.3
15	.0	.0	.0	.0	.0	.1	.4	.7	.9	1.1	1.1	1.1	1.5	1.3	.6	.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	.4
16	.0	.0	.0	.0	.0	.1	.3	.4	.5	.6	1.1	1.2	.7	.2	.1	.2	.2	.3	.1	.0	.0	.0	.0	.0	.0	.2
17	.0	.0	.0	.0	.0	.1	.1	.3	.5	.4	.1	.2	.2	.2	.2	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.1
18	.0	.0	.0	.0	.0	.1	.4	.7	1.0	1.2	1.4	1.5	CAL	CAL	1.1	.7	.5	.3	.0	.0	.0	.0	.0	.0	.0	.4
19	.0	.0	.0	.0	.0	.1	.3	.6	.8	1.1	1.1	1.5	1.2	1.4	.9	.5	.3	.1	.1	.0	.0	.0	.0	.0	.0	.4
20	.0	.0	.0	.0	.0	.1	.4	.7	1.0	1.2	1.4	1.5	1.5	1.4	1.1	.7	.6	.3	.0	.0	.0	.0	.0	.0	.0	.5
21	.0	.0	.0	.0	.0	.1	.4	.7	1.0	1.2	1.2	.8	1.4	1.2	.5	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.4
22	.0	.0	.0	.0	.0	.1	.4	.7	1.0	1.1	1.3	.8	.6	.9	.0	.7	.6	.3	.0	.0	.0	.0	.0	.0	.0	.4
23	.0	.0	.0	.0	.0	.2	.4	.7	1.0	1.3	1.4	1.4	1.5	1.3	1.2	1.0	.6	.2	.1	.0	.0	.0	.0	.0	.0	.5
24	.0	.0	.0	.0	.0	.0	.1	.2	.6	.8	.4	.8	.4	.2	1.4	.3	.3	.0	.1	.0	.0	.0	.0	.0	.0	.2
25	.0	.0	.0	.0	.0	.0	.0	.1	.3	.4	.4	.4	.6	.5	.8	.7	.4	.2	.0	.0	.0	.0	.0	.0	.0	.2
26	.0	.0	.0	.0	.0	.1	.2	.4	.7	1.3	1.5	1.5	1.4	.5	.4	.3	.4	.2	.1	.0	.0	.0	.0	.0	.0	.4
27	.0	.0	.0	.0	.0	.1	.3	.3	.8	1.2	1.4	1.1	.9	.2	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.3
28	.0	.0	.0	.0	.0	.2	.4	.7	1.0	1.2	1.4	1.5	1.0	.1	.1	.1	.2	.2	.0	.0	.0	.0	.0	.0	.0	.3
29	.0	.0	.0	.0	.0	.1	.2	.4	.8	.8	1.3	1.3	1.1	1.5	.6	.1	.6	.3	.1	.0	.0	.0	.0	.0	.0	.4
30	.0	.0	.0	.0	.0	.2	.4	.7	1.0	1.3	1.4	1.5	1.5	1.4	1.2	.7	.5	.3	.1	.0	.0	.0	.0	.0	.0	.5
31	.0	.0	.0	.0	.0	.2	.5	.8	.9	1.0	1.5	1.6	1.5	1.4	1.3	.9	.4	.2	.1	.0	.0	.0	.0	.0	.0	.5
HOURLY MEAN	.0	.0	.0	.0	.0	.1	.3	.5	.8	1.0	1.1	1.3	1.2	1.0	.8	.6	.4	.2	.1	.0	.0	.0	.0	.0	.0	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	1.4	1.5	1.5	1.4	1.4	1.5	1.5	1.6	1.6	1.5	1.6	1.2	1.5	1.2	1.5	1.2	.5	1.5	1.5	1.5	1.4	1.3	1.5	1.4	.8
MIN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

  

DAY	26	27	28	29	30	31
MAX	1.5	1.4	1.5	1.5	1.5	1.6
MIN	.0	.0	.0	.0	.0	.0

MONTHLY AVERAGE = .4 MONTHLY MAXIMUM = 1.6 MONTHLY MINIMUM = .0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744 VALID DATA RECOVERY RATE = 99.7% OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 5/ 1/1993 TO : 5/31/1993

OZONE (PPB)  
MAY - 1993

HOUR																									
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	37	34	32	34	36	36	34	34	34	37	41	46	52	56	57	57	57	53	45	37	34	32	22	24	40
2	4	5	4	11	15	14	28	32	45	56	60	62	64	66	64	60	60	63	58	60	46	33	15	24	39
3	25	29	30	31	25	14	17	22	36	50	54	57	59	60	58	54	53	51	45	42	29	22	16	13	37
4	13	25	34	32	10	9	15	14	25	37	54	57	56	51	48	52	51	41	44	37	27	19	25	29	34
5	29	31	35	32	28	31	27	36	38	39	40	42	61	66	70	67	67	64	59	52	47	59	61	59	47
6	50	47	41	32	43	51	46	50	55	58	59	60	62	64	63	63	52	45	47	47	43	35	33	17	49
7	30	29	27	26	23	19	24	19	40	45	48	51	54	50	41	45	48	47	42	35	33	32	27	13	35
8	36	43	43	44	44	28	15	39	46	49	53	60	62	62	64	61	58	58	55	52	45	40	37	33	47
9	30	29	31	30	33	28	26	37	45	49	48	51	53	53	55	55	56	54	48	43	40	42	25	12	41
10	2	6	19	20	10	6	10	22	30	47	53	56	59	61	60	61	61	59	50	46	41	43	42	28	37
11	33	31	19	20	16	12	15	33	46	52	56	60	62	62	61	59	58	56	52	46	39	37	36	31	41
12	34	33	33	33	24	24	15	30	43	46	50	55	56	CAL	CAL	52	54	55	47	39	33	36	35	27	39
13	29	29	26	19	9	6	11	17	26	40	51	63	67	69	67	67	63	59	47	52	56	48	45	41	42
14	16	17	10	15	29	49	20	31	49	58	58	60	55	51	59	61	53	48	40	32	31	18	2	3	36
15	6	8	11	19	12	8	15	28	39	46	53	55	57	58	52	48	44	44	40	36	32	26	25	29	33
16	27	30	25	19	14	15	18	26	28	30	34	46	48	51	52	44	34	33	33	29	19	16	12	1	29
17	6	17	22	21	14	6	7	31	41	42	40	41	38	39	36	30	30	17	10	1	1	1	2	2	21
18	1	3	9	7	3	6	9	17	29	35	42	53	57	57	58	59	58	53	42	50	48	42	41	43	34
19	36	12	6	18	15	19	30	37	36	42	52	55	57	60	61	60	59	44	38	35	26	25	20	23	36
20	22	7	1	1	2	6	19	26	30	38	45	53	58	60	60	62	65	67	59	40	47	44	36	30	37
21	16	13	16	21	17	9	12	30	40	53	63	71	76	81	79	68	52	51	49	36	27	20	22	21	39
22	15	11	7	9	12	15	27	38	46	56	62	65	55	54	46	46	53	48	47	45	35	23	27	27	36
23	16	17	11	9	10	11	21	34	41	44	49	53	59	63	63	64	63	58	51	41	33	29	27	23	37
24	22	29	27	22	18	17	19	21	22	27	24	30	34	29	30	32	30	29	29	26	29	29	27	26	26
25	26	26	22	22	23	24	16	17	19	22	25	27	33	40	43	43	43	42	38	12	3	2	6	3	24
26	3	1	1	1	4	5	4	6	13	36	49	59	CAL	60	50	51	49	50	38	25	31	23	25	36	27
27	44	39	40	38	34	31	28	22	25	42	52	58	60	53	52	45	37	41	24	30	44	39	24	5	38
28	20	24	27	26	23	15	12	22	30	36	45	53	61	54	36	31	47	48	46	45	42	43	45	30	36
29	19	11	8	16	12	13	13	12	16	22	35	49	52	52	49	42	44	44	40	34	20	4	3	3	26
30	12	15	19	9	18	23	30	37	42	48	54	56	57	57	58	60	64	62	52	42	38	39	36	25	40
31	18	16	3	3	14	19	25	32	36	41	45	61	69	67	66	66	59	55	47	40	38	40	35	32	39
HOURLY MEAN	22	22	21	21	19	18	20	27	35	43	48	54	56	57	55	54	52	50	44	38	34	30	27	23	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	57	66	60	57	70	64	54	64	56	61	62	56	69	61	58	52	42	59	61	67	81	65	64	34	43
MIN	22	4	13	9	27	17	13	15	12	2	12	15	6	2	6	1	1	1	6	1	9	7	9	17	2

  

DAY	26	27	28	29	30	31
MAX	60	60	61	52	64	69
MIN	1	5	12	3	9	3

MONTHLY AVERAGE = 36.2    MONTHLY MAXIMUM = 80.8    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 99.6%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 5/ 1/1993 TO : 5/31/1993

CARBON MONOXIDE (PPM)  
MAY - 1993

DAY	HOUR																								DAILY	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.3	.1
2	.6	.6	.4	.3	.2	.3	.3	.3	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.3	.6	.4	.3
3	.2	.2	.1	.1	.2	.5	.8	1.0	.6	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.3	.4	.5	.3	
4	.4	.1	.1	.1	.4	.4	.4	.4	.3	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.3	.3	.2	.1	.2	
5	.1	.1	.1	.1	.1	.1	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
6	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.3	.6	.1	
7	.3	.2	.2	.2	.2	.4	.5	.6	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.5	.2
8	.3	.1	.1	.1	.1	.2	.6	.3	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
9	.1	.1	.1	.1	.1	.1	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.4	.4	.1	
10	.7	.3	.2	.3	.3	.6	.9	.5	.5	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	
11	.2	.2	.2	.2	.3	.6	.9	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
12	.1	.1	.1	.1	.1	.1	.4	.1	.1	.1	.1	.1	.1	CAL	CAL	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
13	.1	.1	.1	.1	.2	.4	.7	.6	.4	.3	.3	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.1	.2	.2	.2	
14	.3	.4	.4	.4	.1	.1	1.1	.7	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.3	.1	.4	1.1	1.5	
15	.5	.4	.4	.2	.2	.4	.4	.1	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	
16	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.3	.3	.2	.1	.1	.2	.3	.3	.9	
17	.5	.2	.1	.1	.1	.5	.4	.1	.1	.1	.1	.1	.1	.1	.1	.1	.3	.3	.4	.4	.6	.7	.9	1.3	1.3	
18	1.0	.6	.2	.1	.2	.4	.8	.8	.4	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.3	
19	.1	.4	.5	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
20	.1	.5	.7	.6	.6	.5	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	
21	.4	.3	.2	.1	.1	.4	.7	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.3	.3	.5	.1	.2	
22	.1	.1	.4	.3	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.3	.1	.1	
23	.1	.1	.2	.3	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
24	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
25	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.7	.8	.8	.1	.4	
26	1.5	.9	.9	1.0	1.8	1.3	1.3	1.2	2.1	.8	.1	.1	CAL	.1	.1	.1	.1	.1	.1	.1	.4	.3	.4	.3	.1	
27	.1	.1	.1	.1	.1	.1	.3	.5	.6	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.4	.3	.1	.1	.3	.4	
28	.2	.1	.1	.1	.1	.4	.7	.5	.3	.1	.1	.1	.1	.1	.3	.6	.1	.1	.1	.1	.1	.1	.1	.1	.2	
29	.1	.3	.5	.3	.2	.2	.3	.3	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.7	.9	.6	
30	.3	.2	.1	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.1	.1	.1	
31	.1	.2	.6	.5	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	
HOURLY MEAN	.3	.2	.3	.2	.2	.3	.4	.3	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.2	.3	.3		

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	.3	.6	1.0	.4	.3	.6	.6	.6	.4	.9	.9	.4	.7	1.5	.5	.9	1.3	1.0	.5	.7	.7	.4	.3	.1	.8
MIN	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
DAY	26	27	28	29	30	31																			
MAX	2.1	.6	.7	.9	.3	.6																			
MIN	.1	.1	.1	.1	.1	.1																			

MONTHLY AVERAGE = .2 MONTHLY MAXIMUM = 2.1 MONTHLY MINIMUM = .1  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744 VALID DATA RECOVERY RATE = 99.6% OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 5/ 1/1993 TO : 5/31/1993

SULFUR DIOXIDE (PPB)  
MAY - 1993

DAY	HOUR																								DAILY
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	3	2	1	2	4	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	2	3	1	1	1	1	6	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	1	1	1	1	8	1	1	1
7	1	1	1	1	2	1	3	17	5	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2
8	1	1	1	1	1	3	2	8	2	6	3	1	1	1	1	1	1	1	2	1	1	1	1	1	2
9	1	1	1	1	1	1	3	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	1
10	7	14	4	1	1	2	7	14	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
11	1	1	1	1	1	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1
12	3	3	3	1	1	1	2	3	1	1	1	1	CAL	CAL	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	6	29	24	11	4	1	1	1	1	1	1	1	12	1	1	1	1	1	4
14	13	20	46	22	5	1	7	8	1	1	1	1	1	1	1	1	1	1	1	1	1	5	4	6	
15	1	1	1	1	1	5	8	13	4	13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
16	1	1	1	1	1	1	1	1	3	3	3	1	1	1	1	3	1	1	1	1	1	1	1	3	1
17	1	5	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	4	16	17	13	7	5	6	
18	2	1	1	1	1	2	7	9	4	8	6	1	1	1	1	1	1	1	1	1	1	1	1	1	2
19	1	1	3	1	2	1	1	1	13	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
20	1	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	2	1	1	1	1	12	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
22	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8	7	4	1	1	2
26	9	4	3	2	8	14	14	10	30	4	2	CAL	3	1	1	1	1	1	1	1	1	1	1	1	5
27	1	1	1	1	1	1	2	5	10	6	2	1	1	1	1	1	4	1	1	1	1	1	1	8	2
28	1	1	1	1	1	1	4	4	3	3	4	2	1	1	3	8	1	1	1	1	1	1	1	1	2
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	1	1	1	2	1	1	1	1	3	4	8	4	1	1	1	1	1	1	1	1	1	1	1	1	2
HOURLY MEAN	2	2	3	2	1	2	3	5	4	3	2	1	1	1	1	2	1	1	2	2	2	2	1	2	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	1	1	3	5	6	8	17	8	7	14	4	3	29	46	13	3	17	9	13	2	12	4	2	1	8
MIN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

  

DAY	26	27	28	29	30	31
MAX	30	10	8	1	7	8
MIN	1	1	1	1	1	1

MONTHLY AVERAGE = 2.0    MONTHLY MAXIMUM = 46.0    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 99.6%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE



ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 5/ 1/1993 TO : 5/31/1993

NITRIC OXIDE (PPB)  
MAY - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	2	2	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	5	21	24	12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
4	1	1	1	1	10	7	9	23	12	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
5	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1
7	1	1	1	1	1	2	9	25	4	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
8	1	1	2	3	2	4	15	7	4	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
9	1	1	1	1	1	1	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	9	1	1	1	1	16	43	22	CAL	CAL	CAL	CAL	CAL	CAL	CAL	1	1	1	1	1	1	1	1	1	6
11	1	1	1	1	1	34	55	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5
12	1	1	1	1	1	1	6	3	1	1	1	1	CAL	CAL	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	14	28	32	21	10	4	1	1	1	1	1	1	1	1	1	1	1	1	1	5
14	1	1	2	1	1	1	57	25	3	1	1	2	1	1	1	1	1	2	2	1	1	1	23	41	7
15	4	1	1	1	1	16	20	12	9	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
16	1	1	1	1	1	1	3	3	3	4	4	1	1	1	1	3	4	4	2	1	1	1	1	18	3
17	1	1	1	1	1	10	15	1	1	1	1	1	1	1	1	2	4	8	9	18	23	31	53	54	10
18	30	5	1	1	3	15	44	34	16	9	5	1	1	1	1	1	1	1	1	1	1	1	1	1	7
19	1	8	6	1	1	1	1	2	8	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
20	1	9	18	7	16	21	9	7	7	4	3	3	1	1	1	1	1	1	1	1	1	1	1	1	5
21	1	1	1	1	1	12	30	10	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
22	1	1	1	1	1	4	4	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	6	6	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
24	1	1	1	1	1	1	1	1	2	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	7	3	3	1	5	2
26	72	26	29	39	103	81	81	65	85	18	4	CAL	1	1	3	1	2	1	1	1	1	1	1	1	27
27	1	1	1	1	1	1	4	10	19	8	3	1	1	1	1	1	3	1	3	1	1	1	1	4	3
28	1	1	1	1	1	15	31	15	10	6	4	3	2	1	3	8	2	1	1	1	1	1	1	1	5
29	1	1	1	1	1	3	7	13	12	8	5	3	1	1	1	1	1	1	1	1	1	8	13	2	4
30	1	1	3	3	1	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	1	1	4	5	1	3	3	3	3	3	4	2	1	1	1	1	1	1	1	1	1	1	1	1	2
HOURLY MEAN	5	2	3	3	5	9	17	12	8	4	2	1	1	1	1	1	1	1	1	2	2	2	4	5	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	1	5	24	23	3	3	25	15	4	43	55	6	32	57	20	18	54	44	8	21	30	4	6	3	7
MIN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

  

DAY	26	27	28	29	30	31
MAX	103	19	31	13	3	5
MIN	1	1	1	1	1	1

MONTHLY AVERAGE = 3.9    MONTHLY MAXIMUM = 103.3    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 98.7%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 5/ 1/1993 TO : 5/31/1993

NITROGEN DIOXIDE (PPB)  
MAY - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	3	4	5	4	3	3	3	4	5	5	4	4	3	3	3	4	3	3	3	3	3	5	19	19	5
2	41	36	32	25	20	22	14	17	11	4	2	2	2	2	2	3	3	3	3	2	13	21	35	23	14
3	18	15	13	14	20	33	34	36	27	4	3	3	3	3	3	3	4	6	7	7	20	26	29	31	15
4	28	14	8	8	31	34	26	26	19	20	4	4	3	3	3	4	4	8	7	7	15	24	13	8	13
5	8	7	5	6	11	8	15	10	8	7	10	5	3	3	3	6	5	5	6	5	6	3	1	2	6
6	2	3	3	9	5	6	9	6	5	3	2	2	3	3	3	8	8	5	5	6	7	16	19	32	7
7	19	16	15	16	20	23	25	35	12	11	7	5	3	5	10	6	6	5	6	10	13	14	14	33	14
8	16	8	6	6	8	17	25	19	12	11	6	3	2	3	3	3	3	3	5	3	4	5	3	6	7
9	4	8	7	8	4	7	14	11	5	2	4	3	1	1	1	2	2	2	3	3	3	4	20	34	6
10	43	36	22	20	28	32	37	31	CAL	CAL	CAL	CAL	CAL	CAL	CAL	1	2	2	3	3	5	5	6	19	17
11	13	13	24	19	23	31	36	14	6	4	3	3	4	3	3	3	3	3	3	4	5	4	5	11	10
12	8	8	6	5	7	11	22	13	6	6	5	3	CAL	CAL	4	3	3	2	2	3	10	6	7	7	7
13	6	6	7	11	17	21	27	33	32	23	14	7	4	3	3	4	5	8	20	15	11	15	16	19	14
14	44	39	48	43	23	7	40	37	11	2	2	2	3	4	3	4	8	9	13	18	14	24	50	48	21
15	28	27	27	17	24	32	29	21	22	16	3	4	2	2	3	4	4	3	4	6	7	11	11	3	13
16	5	3	4	5	5	6	8	9	9	10	9	6	5	8	10	17	19	14	15	11	13	17	21	41	11
17	30	18	12	12	20	27	23	7	3	4	4	4	7	6	8	15	17	27	32	40	43	43	43	42	20
18	34	31	19	19	25	23	30	36	26	18	12	4	4	3	3	4	4	3	9	3	3	5	4	5	14
19	10	26	31	13	18	11	7	7	17	15	5	3	3	3	4	5	6	7	4	5	10	11	11	9	10
20	13	32	38	37	33	28	14	11	12	9	10	10	6	4	4	5	5	5	6	5	4	5	10	16	13
21	26	26	20	13	16	25	31	20	12	8	5	6	5	6	5	6	7	9	8	8	19	20	29	15	15
22	16	17	26	24	19	17	11	8	7	5	6	5	6	5	6	5	4	5	6	8	16	21	6	5	11
23	14	11	21	21	16	12	8	4	3	3	4	5	4	4	4	3	3	3	3	4	5	5	5	8	8
24	6	2	3	4	6	8	6	5	5	4	4	3	4	6	4	3	4	3	3	3	4	4	4	4	4
25	4	3	4	3	3	4	9	9	7	7	8	7	7	6	5	6	7	6	9	45	56	44	23	30	13
26	46	41	33	34	36	34	37	41	69	33	14	CAL	7	7	8	6	8	6	9	27	21	25	21	13	25
27	5	6	6	6	10	15	21	28	35	19	7	3	4	4	4	10	16	8	26	22	5	7	19	35	13
28	15	9	6	4	7	15	27	23	17	13	10	8	8	11	21	34	11	9	9	8	6	5	4	8	12
29	14	20	30	19	18	15	18	16	14	13	10	8	4	4	4	5	4	4	5	5	18	37	39	34	15
30	23	18	14	29	14	8	8	5	5	5	4	3	3	3	2	3	3	3	3	6	3	7	9	13	8
31	15	16	32	36	21	13	7	6	7	8	11	7	4	3	3	3	3	3	5	7	10	6	7	7	10
HOURLY MEAN	18	17	17	16	17	18	20	18	14	10	6	5	4	4	5	6	6	6	8	10	12	15	16	19	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	19	41	36	34	15	32	35	25	34	43	36	22	33	50	32	41	43	36	31	38	31	26	21	8	56
MIN	3	2	3	3	1	2	3	2	1	1	3	2	3	2	2	3	3	3	3	4	5	4	3	2	3

  

DAY	26	27	28	29	30	31
MAX	69	35	34	39	29	36
MIN	6	3	4	4	2	3

MONTHLY AVERAGE = 11.9    MONTHLY MAXIMUM = 68.9    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 98.7%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 5/ 1/1993 TO : 5/31/1993

NITROGEN OXIDES (PPB)  
MAY - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	3	3	1	1	1	2	3	4	3	3	1	1	1	2	2	1	1	1	1	3	16	16	3
2	42	36	31	22	18	25	16	23	13	3	1	1	1	2	1	2	2	2	1	1	13	20	35	22	14
3	18	15	14	14	20	38	56	61	39	5	3	3	4	4	4	3	4	6	7	7	19	26	29	32	18
4	28	14	7	9	41	41	35	50	31	28	5	3	3	3	3	4	4	8	6	6	15	23	13	7	16
5	7	6	4	5	9	8	17	14	10	9	11	5	1	1	2	7	6	6	5	6	5	6	3	1	6
6	1	1	2	8	4	5	8	6	4	3	1	1	2	2	3	8	8	5	7	7	8	18	22	34	7
7	20	17	15	16	19	25	34	60	16	16	8	6	3	4	12	8	7	5	5	9	12	13	13	33	16
8	17	10	9	9	10	22	39	26	17	14	6	3	1	3	2	2	1	1	3	3	3	4	3	4	9
9	2	6	5	6	3	6	19	16	6	1	3	3	3	1	1	1	1	1	1	1	1	3	20	33	6
10	52	36	22	20	28	49	80	53	CAL	CAL	CAL	CAL	CAL	CAL	CAL	2	3	3	2	2	5	5	7	20	23
11	13	14	25	19	23	66	91	22	8	4	3	3	5	3	4	5	4	4	3	4	5	5	5	11	15
12	9	9	7	6	8	13	28	16	8	8	6	5	CAL	CAL	6	5	5	4	3	4	11	7	8	8	8
13	6	6	8	11	19	35	56	65	53	33	19	8	5	5	5	5	6	9	22	16	12	16	17	20	19
14	46	41	50	45	25	9	98	62	15	4	3	5	5	5	4	4	9	12	16	20	15	25	73	90	28
15	33	29	28	17	25	49	49	33	32	23	5	6	4	4	4	5	5	4	4	6	7	12	12	4	17
16	6	4	5	5	6	8	12	13	13	14	13	8	6	9	12	21	23	19	18	13	14	18	22	59	14
17	33	20	13	13	21	37	38	9	4	4	5	5	8	6	8	18	22	35	41	59	66	74	96	97	30
18	65	37	20	20	29	39	75	71	42	27	18	6	6	5	5	5	5	5	11	4	5	6	6	6	22
19	11	34	37	15	19	13	9	10	25	22	7	4	4	5	6	7	7	8	5	5	10	12	11	10	12
20	14	42	57	44	49	49	24	19	19	13	14	13	7	5	6	7	7	7	7	7	6	6	11	17	19
21	27	27	21	14	18	37	61	30	17	11	7	8	7	8	7	9	11	10	10	20	21	30	16	15	18
22	17	18	28	25	21	21	16	12	10	7	7	6	8	6	8	7	7	7	6	9	18	23	7	6	13
23	15	12	22	22	22	19	12	6	5	4	7	7	5	6	5	5	5	5	5	5	6	6	6	9	10
24	7	3	4	5	7	9	8	6	7	6	6	4	5	8	7	4	5	4	3	4	4	5	4	5	5
25	4	4	4	4	4	4	11	10	10	10	10	10	9	8	7	8	9	8	11	52	59	47	25	35	15
26	118	67	62	74	140	115	118	106	154	52	19	CAL	9	8	11	8	11	7	10	28	22	26	22	14	52
27	6	7	6	6	11	17	26	39	55	28	10	5	5	5	6	12	19	10	29	24	6	8	20	39	17
28	17	9	7	5	8	30	58	38	27	19	15	12	11	13	25	42	14	11	10	9	6	5	5	9	17
29	15	22	32	20	20	19	25	30	27	22	15	11	6	6	6	7	6	6	6	7	19	45	53	37	19
30	25	20	17	32	15	11	12	8	7	6	6	5	5	5	5	5	5	5	5	7	5	9	10	15	10
31	16	17	36	41	23	17	10	9	11	11	16	10	6	5	5	5	5	5	7	9	11	8	8	8	13
HOURLY																									
MEAN	22	19	19	18	21	27	37	30	23	14	8	6	5	5	6	8	7	7	9	11	13	16	19	23	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	16	42	61	50	17	34	60	39	33	80	91	28	65	98	49	59	97	75	37	57	61	28	22	9	59
MIN	1	1	3	3	1	1	3	1	1	2	3	3	5	3	4	4	4	4	4	5	7	6	4	3	4
DAY	26	27	28	29	30	31																			
MAX	154	55	58	53	32	41																			
MIN	7	5	5	6	5	5																			

MONTHLY AVERAGE = 15.7    MONTHLY MAXIMUM = 154.0    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 98.7%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 6/ 1/1993 TO : 6/30/1993

10M WIND SPEED (MPH)  
JUNE - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	16.5	21.0	20.5	19.9	11.1	6.0	4.7	3.2	5.7	9.0	6.0	7.3	9.4	3.8	16.7	17.9	22.8	23.3	19.8	12.9	7.2	9.1	8.4	8.6	12.1
2	5.4	3.5	3.1	6.9	4.4	3.7	4.7	5.7	6.6	11.7	16.6	19.7	19.8	16.7	15.2	16.2	15.8	15.6	13.3	6.8	6.1	4.9	12.3	12.9	10.3
3	12.6	8.3	6.5	10.8	8.3	12.4	8.7	7.1	13.4	8.7	5.0	10.0	13.7	16.8	14.1	16.2	14.3	21.1	15.8	9.2	8.4	9.5	9.3	8.1	11.2
4	5.7	5.4	7.5	8.2	7.1	6.7	5.6	6.0	5.9	5.4	6.9	8.0	10.5	11.3	12.1	14.2	14.2	9.3	8.8	9.7	6.6	4.0	2.9	10.3	8.0
5	9.8	10.2	5.2	7.8	1.2	1.6	2.9	2.7	2.9	3.2	4.6	9.3	10.7	8.2	8.1	11.5	17.0	14.0	10.9	8.1	6.3	4.5	5.1	4.3	7.1
6	5.9	6.5	5.1	5.0	3.7	2.2	2.3	5.4	9.9	6.8	9.4	8.2	6.9	7.0	10.1	8.8	10.6	12.3	8.4	8.3	8.3	5.3	4.8	8.8	7.1
7	13.7	13.4	4.3	5.7	8.0	8.1	5.3	8.3	18.4	19.1	19.4	22.4	15.4	17.1	28.7	24.2	27.5	24.4	19.5	17.0	16.0	12.9	12.9	20.1	15.9
8	13.8	14.3	7.3	6.3	5.6	13.0	13.7	15.3	10.9	7.1	7.0	6.6	8.6	8.6	9.2	11.1	15.9	13.1	12.3	7.9	12.4	7.1	5.7	4.1	9.9
9	4.5	6.6	8.5	11.2	9.7	10.1	CAL	CAL	CAL	10.2	7.4	6.5	7.1	13.8	8.7	14.3	9.9	8.2	7.6	5.8	5.9	3.6	5.5	5.7	8.1
10	5.6	5.4	6.2	7.4	7.8	5.5	5.0	4.6	4.3	3.3	5.5	5.7	6.4	6.4	6.4	7.8	10.0	10.5	10.5	11.2	11.9	15.8	20.3	22.5	8.6
11	24.3	24.5	18.8	12.9	10.3	9.7	6.4	3.9	2.0	2.9	5.0	6.7	7.9	10.4	8.7	7.6	8.8	6.5	7.8	6.0	4.3	4.2	6.8	6.2	8.9
12	6.6	6.8	7.3	8.1	7.2	8.9	10.4	10.3	11.7	10.9	13.0	10.6	9.7	10.4	7.6	9.4	16.3	12.8	8.9	11.3	12.4	9.6	5.1	6.1	9.6
13	4.7	1.7	3.9	9.1	8.6	8.5	7.2	9.6	8.9	7.0	6.0	8.2	8.0	8.0	6.3	5.1	4.4	5.7	9.5	7.3	7.1	7.3	2.2	4.2	6.6
14	6.8	4.6	7.0	7.7	8.2	3.8	3.7	3.6	4.9	3.6	3.5	5.9	7.4	12.1	7.1	6.1	13.6	15.2	14.1	12.2	9.2	10.1	9.1	9.7	7.9
15	11.6	9.3	9.0	4.7	3.2	3.0	4.5	2.4	6.0	9.7	10.9	9.4	13.2	16.2	13.2	13.6	18.4	24.2	10.5	11.0	16.3	18.9	13.3	12.2	11.0
16	11.9	14.5	11.6	9.2	7.1	4.7	5.5	10.2	8.2	6.6	15.8	14.8	19.8	13.6	22.5	17.3	14.9	18.7	16.3	12.3	26.5	18.6	21.6	22.6	14.4
17	12.8	10.6	10.9	7.5	6.1	5.7	6.8	7.5	8.0	7.9	9.7	11.4	6.3	7.3	10.6	12.8	8.2	10.3	8.3	8.7	8.8	8.4	6.9	13.7	9.0
18	10.9	12.6	9.2	10.0	7.4	7.6	9.8	6.9	7.7	6.1	4.3	5.1	7.1	6.5	8.2	5.9	5.9	4.7	2.2	1.5	.8	1.5	1.3	2.2	6.1
19	3.2	6.0	7.9	7.9	8.6	6.5	8.4	7.5	4.9	3.8	4.2	4.9	8.3	8.7	6.0	5.0	6.3	6.7	5.4	5.8	6.9	9.6	5.0	9.7	6.5
20	10.8	10.4	10.0	8.4	10.3	8.0	8.1	5.6	3.4	2.6	3.7	5.0	6.4	4.6	6.4	5.5	8.4	11.4	8.9	14.6	7.5	8.1	16.4	18.0	8.4
21	13.9	11.1	9.3	12.2	7.8	3.5	7.3	5.4	2.9	4.3	3.4	5.4	13.8	8.8	12.4	11.1	6.4	8.0	4.9	1.6	5.5	6.7	5.8	4.1	7.3
22	7.7	4.3	8.1	8.9	10.7	9.6	14.3	14.6	14.3	9.8	6.8	8.1	5.4	4.7	11.1	9.2	12.6	15.3	11.9	14.0	16.4	8.4	8.5	6.9	10.1
23	7.2	4.7	3.4	5.6	4.1	3.8	6.1	7.3	4.6	4.3	4.4	5.3	5.9	6.7	6.5	8.3	14.7	17.1	20.3	14.1	16.7	18.6	13.3	8.0	8.8
24	8.6	11.1	9.7	9.4	9.6	10.3	14.2	12.6	12.2	12.2	7.7	5.0	5.4	7.2	6.0	4.9	5.2	7.4	9.4	9.4	8.3	7.1	8.9	11.9	8.9
25	10.7	9.1	6.2	4.9	3.9	2.3	2.7	3.4	2.9	3.7	3.2	4.6	6.2	6.1	5.6	6.2	7.7	9.3	8.8	8.1	7.0	1.4	1.3	2.5	5.3
26	2.1	7.3	9.4	10.5	9.8	6.6	8.7	8.2	5.5	3.8	4.9	7.4	5.9	5.6	4.6	4.8	5.4	3.5	7.7	4.3	3.1	5.1	5.9	5.8	6.1
27	6.0	9.4	5.4	7.5	7.2	10.4	9.8	9.4	10.0	14.1	14.0	9.9	8.3	9.2	11.7	11.7	5.7	8.3	5.4	12.6	8.6	9.4	8.8	7.8	9.2
28	7.7	5.2	3.9	4.4	8.4	7.4	8.2	7.5	7.9	6.6	8.1	11.1	9.4	7.7	7.0	7.5	5.1	6.3	10.4	10.5	8.7	12.1	14.9	14.9	8.4
29	14.2	11.2	9.1	11.8	14.4	10.4	8.6	13.1	9.3	6.6	5.7	6.0	6.2	7.5	8.6	10.3	11.3	12.0	14.0	15.4	17.5	10.2	12.4	8.8	10.6
30	8.3	8.5	7.0	8.3	5.0	2.3	3.2	4.1	3.4	6.3	6.6	8.0	7.0	6.0	5.6	4.7	10.6	14.9	13.9	10.4	6.6	6.3	5.1	6.9	7.0
HOURLY MEAN	9.5	9.2	8.0	8.6	7.5	6.8	7.1	7.3	7.5	7.2	7.6	8.5	9.2	9.2	10.2	10.3	11.6	12.3	10.8	9.6	9.6	8.6	8.7	9.6	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	23.3	19.8	21.1	14.2	17.0	12.3	28.7	15.9	14.3	22.5	24.5	16.3	9.6	15.2	24.2	26.5	13.7	12.6	9.7	18.0	13.9	16.4	20.3	14.2	10.7
MIN	3.2	3.1	5.0	2.9	1.2	2.2	4.3	4.1	3.6	3.3	2.0	5.1	1.7	3.5	2.4	4.7	5.7	.8	3.2	2.6	1.6	4.3	3.4	4.9	1.3
DAY	26	27	28	29	30	31																			
MAX	10.5	14.1	14.9	17.5	14.9	***																			
MIN	2.1	5.4	3.9	5.7	2.3	***																			

MONTHLY AVERAGE = 8.9 MONTHLY MAXIMUM = 28.7 MONTHLY MINIMUM = .8  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720 VALID DATA RECOVERY RATE = 99.6% OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMP  
SITE 4 FROM : 6/ 1/1993 TO : 6/30/1993

WIND DIRECTION (DEGREES)  
JUNE - 1993

DAY	HOUR																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	188	189	188	193	230	305	324	334	334	344	62	126	295	34	300	309	305	293	294	305	98	104	75	59
2	48	112	87	53	50	13	34	23	28	20	58	90	98	92	106	116	127	124	112	116	111	119	152	147
3	164	173	358	144	314	329	23	63	327	107	43	95	12	16	57	61	51	27	40	40	3	46	49	56
4	48	47	25	14	15	7	36	41	61	63	76	82	84	84	73	74	74	138	133	263	255	216	245	190
5	199	208	225	232	275	191	284	193	226	159	60	37	62	55	160	242	312	322	341	340	297	269	231	206
6	272	218	205	219	210	220	198	31	16	29	24	15	10	42	52	58	21	28	13	9	15	0	317	21
7	50	34	101	96	107	331	129	238	267	271	254	276	287	287	263	269	270	255	252	246	243	258	258	274
8	258	274	270	243	236	265	257	291	291	291	264	356	345	330	330	298	98	106	84	81	62	68	113	170
9	186	194	199	205	202	197	CAL	CAL	CAL	139	138	143	146	176	240	195	186	175	160	137	149	121	153	172
10	228	210	211	193	207	196	216	218	167	97	89	84	103	97	159	145	134	130	153	150	154	159	175	177
11	179	177	173	187	194	198	268	276	173	169	116	157	172	191	189	162	132	142	346	53	277	230	177	192
12	202	220	204	194	185	195	209	229	224	213	193	170	176	178	53	353	14	30	14	10	25	53	346	322
13	323	298	117	91	78	50	40	39	47	59	74	95	84	96	130	126	124	111	96	71	58	114	149	94
14	119	172	194	201	222	285	349	341	333	352	20	358	317	169	171	186	182	178	167	164	139	138	154	149
15	172	177	237	283	290	247	305	298	224	197	201	246	333	348	352	12	282	283	267	137	147	175	185	199
16	195	196	222	205	222	240	190	194	198	302	73	66	87	92	120	112	131	130	131	158	168	16	348	9
17	11	1	359	49	65	76	46	53	60	60	64	72	67	58	50	13	4	9	27	77	87	95	48	50
18	60	40	33	33	39	44	41	15	23	26	347	347	19	44	1	25	353	9	271	269	233	110	13	175
19	208	210	204	198	199	197	205	201	184	176	168	126	59	37	31	65	103	129	132	151	153	151	195	204
20	200	202	203	197	201	201	213	224	211	161	74	106	110	120	84	83	85	160	185	187	159	96	175	199
21	207	210	167	147	167	220	215	282	341	333	64	104	293	281	85	127	156	117	26	359	107	333	14	234
22	277	265	210	203	198	193	199	202	203	211	198	197	211	239	52	36	24	18	24	55	70	31	314	297
23	301	352	37	89	339	316	318	22	62	74	87	107	163	87	80	56	3	1	6	16	47	63	51	101
24	148	97	109	174	190	190	181	184	168	165	167	107	203	285	351	42	46	11	38	60	89	133	352	2
25	340	340	334	331	345	21	39	75	166	84	65	77	84	94	97	97	95	93	87	88	97	272	290	353
26	341	200	209	200	198	169	199	210	213	171	68	87	123	168	111	119	153	239	7	15	49	191	200	211
27	252	300	260	229	195	197	206	210	220	212	203	348	152	166	353	16	123	106	92	43	344	329	358	339
28	336	332	259	248	215	197	196	203	201	201	220	322	318	323	174	208	258	218	247	219	201	207	210	206
29	214	245	251	228	204	219	206	185	206	1	46	11	13	24	37	55	65	54	58	80	91	64	61	70
30	27	342	34	35	38	290	296	313	310	354	358	20	43	106	92	74	22	21	26	38	66	100	126	152

TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720 VALID DATA RECOVERY RATE = 99.6% OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 6/ 1/1993 TO : 6/30/1993

SIGMA THETA (DEGREES)  
JUNE - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	4	4	4	42	8	19	25	22	15	72	53	50	48	21	11	9	5	6	13	40	13	9	9	21
2	58	29	61	15	20	36	35	23	24	23	18	13	9	13	12	10	10	8	8	14	20	13	12	5	20
3	8	18	57	12	41	12	41	40	26	27	35	19	19	26	13	19	26	13	8	21	10	13	10	10	22
4	22	12	6	7	6	13	17	14	15	18	22	28	17	17	12	8	9	30	45	12	14	23	28	11	17
5	6	6	16	12	44	37	29	32	64	40	43	15	18	31	44	44	12	12	5	8	8	20	12	35	25
6	24	11	13	9	8	20	58	24	12	12	12	16	21	18	11	10	7	10	8	8	8	15	17	11	23
7	12	45	45	34	52	53	33	56	17	22	12	16	21	18	11	10	7	10	8	8	8	15	17	11	23
8	8	23	22	31	29	12	19	15	16	37	31	28	37	32	14	16	17	8	9	6	9	13	28	17	20
9	7	7	4	3	4	5	CAL	CAL	CAL	15	28	46	48	14	45	30	18	20	6	11	16	63	31	11	21
10	28	14	9	6	8	6	11	19	27	46	51	48	45	35	59	17	15	18	5	2	5	5	6	5	20
11	4	4	4	8	5	9	43	52	71	47	42	52	34	32	29	20	16	41	28	45	37	45	17	29	30
12	24	27	5	9	9	7	8	11	11	18	14	23	29	39	57	25	22	8	18	9	7	10	60	15	19
13	10	22	14	14	6	14	16	16	19	31	48	32	28	33	35	51	39	21	8	22	5	13	27	19	23
14	36	16	8	9	9	47	20	18	19	47	50	37	31	24	35	36	13	7	7	4	18	17	10	16	22
15	9	11	24	16	20	23	23	53	19	16	15	48	27	14	20	19	32	4	12	33	15	5	8	5	20
16	5	3	14	16	46	64	21	8	24	75	10	14	11	20	11	6	8	5	5	22	14	69	8	15	21
17	12	15	16	12	9	17	21	10	7	7	8	10	18	13	11	27	19	17	23	16	9	11	46	11	15
18	7	10	10	12	13	16	19	29	13	22	19	24	14	18	15	24	22	47	33	32	65	36	64	14	24
19	11	10	8	5	4	5	9	12	23	29	35	46	31	27	38	37	24	25	8	11	8	5	11	3	18
20	2	4	3	3	2	8	6	14	29	34	61	51	33	50	54	33	21	21	9	7	40	22	17	4	22
21	6	10	20	5	36	19	15	28	51	39	48	41	28	57	40	35	22	10	44	56	15	48	19	23	30
22	15	36	7	8	3	7	4	6	7	17	28	28	42	65	34	19	18	6	7	13	8	67	11	5	19
23	9	39	26	19	37	28	24	24	38	33	51	47	36	26	27	29	18	12	11	16	11	10	13	26	25
24	11	24	25	16	8	7	5	8	12	15	26	55	57	47	55	40	46	19	11	4	21	34	19	6	24
25	8	4	4	6	11	19	26	50	68	46	50	47	29	39	50	33	22	12	6	3	16	66	57	30	29
26	60	8	5	3	20	16	11	12	17	54	42	28	47	49	51	56	34	41	19	7	25	32	46	50	31
27	49	8	29	26	6	4	10	14	10	8	17	61	27	27	52	34	40	12	46	17	12	9	20	24	23
28	9	13	17	14	12	9	8	15	16	27	36	22	26	69	31	41	58	25	11	9	7	5	8	4	20
29	7	9	13	17	6	26	14	8	20	50	52	49	50	51	24	25	16	10	8	15	4	62	22	17	24
30	19	11	16	6	26	28	28	26	58	33	41	30	36	47	46	52	25	8	6	8	16	7	24	8	25
HOURLY																									
MEAN	16	15	17	12	18	19	20	23	26	30	34	34	31	34	32	27	22	16	15	15	17	26	23	15	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	72	61	57	45	64	58	56	37	63	59	71	60	51	50	53	75	46	65	46	61	57	67	51	57	68
MIN	4	5	8	6	5	8	7	6	3	2	4	5	5	4	4	3	7	7	3	2	5	3	9	4	3
DAY	26	27	28	29	30	31																			
MAX	60	61	69	62	58	***																			
MIN	3	4	4	4	6	***																			

MONTHLY AVERAGE = 22.4    MONTHLY MAXIMUM = 74.8    MONTHLY MINIMUM = 2.3  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 99.6%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 6/ 1/1993 TO : 6/30/1993

TEMPERATURE (DEGREES F)  
JUNE - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	63.7	63.6	63.5	63.2	59.1	55.5	58.5	63.3	70.7	75.5	77.6	78.9	79.5	79.7	81.1	80.9	80.5	78.3	77.7	75.1	71.8	68.8	64.6	63.4	70.6
2	59.8	59.2	57.7	54.1	51.6	52.4	55.0	56.6	60.1	63.6	66.2	62.2	60.0	62.4	63.5	61.5	59.4	59.1	57.4	54.9	53.8	53.5	54.4	53.6	58.0
3	54.1	54.6	54.2	52.5	49.7	48.3	50.6	53.4	53.0	53.9	59.8	60.9	61.4	61.5	59.8	58.5	57.6	53.9	52.2	49.6	46.7	46.1	45.6	44.4	53.4
4	43.8	44.0	43.9	42.7	42.1	41.4	41.5	43.3	45.0	47.8	51.2	54.3	56.4	58.1	58.1	58.7	58.5	59.4	57.5	55.3	54.0	53.7	53.9	53.8	50.8
5	51.8	51.0	50.3	49.8	48.5	48.8	50.8	54.6	58.3	62.0	65.3	66.5	70.4	74.5	77.2	76.5	71.9	71.0	69.3	65.7	64.1	63.5	63.6	61.5	61.9
6	59.7	58.0	56.5	54.8	54.3	54.6	55.5	55.8	55.3	55.5	58.1	61.4	63.3	65.6	66.2	66.9	65.9	64.7	64.4	62.9	61.0	59.5	58.1	57.7	59.8
7	54.5	52.4	50.1	48.2	45.5	46.4	47.8	52.2	55.1	55.3	56.5	58.1	59.7	61.6	63.0	63.3	63.2	62.3	60.8	59.2	59.2	57.7	55.9	56.1	56.0
8	55.1	55.5	55.7	54.4	53.5	56.7	58.9	60.8	62.3	63.6	64.8	66.8	66.9	67.2	67.3	68.2	62.0	59.8	58.3	55.2	53.0	51.3	50.1	50.1	59.1
9	49.7	50.1	49.5	48.2	48.2	50.9	CAL	CAL	CAL	59.2	61.9	64.1	65.7	62.9	62.6	64.2	63.5	63.5	61.6	61.4	58.1	56.0	53.0	51.9	57.4
10	50.6	50.3	49.7	48.4	48.0	49.1	53.9	59.1	63.2	67.5	69.4	71.2	72.7	73.8	74.8	75.0	73.6	73.8	72.5	68.7	66.2	64.0	66.1	65.2	63.6
11	64.3	63.1	61.9	61.5	60.7	61.6	62.2	66.8	70.8	74.6	77.1	79.2	80.6	82.1	82.8	82.7	81.5	80.7	78.6	76.0	72.5	70.1	67.3	65.2	71.8
12	63.0	60.7	57.6	56.2	55.2	56.2	62.1	68.3	74.3	78.1	81.4	82.7	84.8	86.6	87.4	88.0	86.4	83.7	80.6	74.7	69.9	65.2	62.1	62.1	72.0
13	60.3	59.0	58.3	56.0	52.3	53.3	56.6	57.9	59.8	62.0	64.1	66.3	69.1	71.5	73.4	75.2	76.4	75.9	73.7	68.7	64.0	60.8	58.4	57.3	63.8
14	55.3	55.7	55.5	55.8	55.7	55.9	56.9	60.8	65.0	69.0	73.6	76.1	78.3	79.5	81.0	82.2	81.3	79.6	78.1	75.0	71.4	67.9	66.7	64.3	68.4
15	65.4	63.8	63.5	62.0	60.6	60.2	62.0	67.4	73.7	82.9	87.7	89.8	89.6	89.5	90.7	90.7	91.5	88.8	85.1	81.4	76.0	74.6	72.1	68.9	76.6
16	67.8	69.4	70.0	70.9	69.2	69.4	71.7	73.9	76.9	79.6	75.9	75.3	76.7	78.4	79.5	77.3	78.3	77.9	74.7	71.2	68.4	64.8	54.5	54.1	71.9
17	53.6	53.3	53.0	52.3	51.2	51.2	51.5	51.9	52.5	52.9	53.1	55.7	55.9	56.5	55.0	53.4	52.5	52.8	53.3	53.5	53.1	52.1	51.5	50.8	53.0
18	50.3	48.9	48.2	47.6	47.3	47.3	47.7	48.3	48.4	50.3	51.8	53.1	52.8	53.3	54.4	54.4	53.2	52.9	53.0	52.4	51.7	51.4	51.3	50.3	50.8
19	50.5	50.3	49.3	48.0	47.8	49.0	52.3	56.0	59.9	64.1	67.0	69.3	70.7	71.6	72.9	74.0	73.4	73.0	71.6	69.1	67.3	62.3	60.8	60.0	62.1
20	57.8	56.5	55.5	55.5	55.0	56.1	59.8	64.8	69.8	73.8	76.9	78.4	80.0	81.8	82.5	82.3	81.7	77.6	74.7	71.3	68.7	66.2	65.6	64.6	69.0
21	62.8	62.1	60.4	57.5	58.3	60.1	63.0	66.1	70.7	74.2	77.5	81.3	80.0	82.4	79.4	73.0	76.6	73.9	73.5	70.6	67.7	63.3	62.7	62.0	69.1
22	61.5	60.8	59.9	57.5	56.9	58.8	65.0	71.0	75.4	79.4	82.5	83.6	84.5	86.3	85.5	85.6	85.5	84.1	80.9	75.3	70.7	68.1	68.2	66.6	73.1
23	66.1	64.6	63.2	58.6	57.8	57.1	60.2	62.1	65.0	67.6	69.8	72.0	74.8	75.8	77.9	79.2	79.0	77.6	69.8	67.2	63.5	59.4	58.0	54.2	66.7
24	49.5	47.8	46.3	45.2	45.9	47.7	50.8	53.5	57.0	60.8	64.4	67.7	70.6	72.8	74.2	75.2	75.9	75.6	72.7	67.2	63.5	62.6	60.4	55.1	60.9
25	52.3	50.6	50.7	50.5	50.5	51.9	55.1	58.0	60.5	62.9	66.9	70.0	72.1	74.5	76.4	77.8	78.2	75.9	71.6	67.0	65.0	64.7	64.4	64.3	64.4
26	61.7	58.8	58.8	58.1	57.0	57.9	62.7	68.1	73.5	78.9	81.4	83.1	84.8	86.0	87.5	88.1	88.1	87.7	84.1	81.4	78.5	75.7	73.1	71.0	74.4
27	67.8	63.2	62.0	62.3	60.3	61.2	66.2	71.0	77.5	85.0	87.3	87.5	89.7	90.5	89.4	88.9	89.7	88.0	84.0	79.0	73.2	70.2	68.9	66.5	76.2
28	64.4	62.9	61.9	62.7	61.3	60.1	64.6	69.8	75.1	82.6	87.8	88.2	88.7	89.6	90.9	91.5	91.9	89.7	87.3	84.6	82.3	79.7	77.8	75.8	78.0
29	75.7	74.2	71.7	70.3	69.9	70.1	74.4	78.2	82.7	85.2	86.7	88.2	89.8	91.2	91.8	92.2	91.9	91.0	87.9	82.2	78.1	74.9	72.0	66.4	80.7
30	64.8	61.3	60.5	59.9	57.5	57.8	60.8	62.5	65.5	67.5	69.6	71.2	73.9	76.3	78.1	79.7	78.9	77.4	75.1	73.5	69.9	67.6	66.6	65.2	68.4
HOURLY MEAN	58.6	57.5	56.6	55.5	54.4	54.9	57.9	61.2	64.7	67.8	70.4	72.1	73.4	74.8	75.5	75.5	74.9	73.7	71.5	68.5	65.5	63.2	61.6	60.1	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	81.1	66.2	61.5	59.4	77.2	66.9	63.3	68.2	65.7	75.0	82.8	88.0	76.4	82.2	91.5	79.6	56.5	54.4	74.0	82.5	82.4	86.3	79.2	75.9	78.2
MIN	55.5	51.6	44.4	41.4	48.5	54.3	45.5	50.0	48.2	48.0	60.7	55.2	52.3	55.3	60.2	54.1	50.8	47.3	47.8	55.0	57.5	56.9	54.2	45.2	50.5
DAY	26	27	28	29	30	31																			
MAX	88.1	90.5	91.9	92.2	79.7	***																			
MIN	57.0	60.3	60.1	66.4	57.5	***																			

MONTHLY AVERAGE = 65.4    MONTHLY MAXIMUM = 92.2    MONTHLY MINIMUM = 41.4  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 99.6%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 6/ 1/1993 TO : 6/30/1993

BAROMETRIC PRESSURE (INCHES)  
JUNE - 1993

DAY	HOUR																								DAILY
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.5
2	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
3	24.6	24.5	24.5	24.5	24.5	24.5	24.6	24.5	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.6
4	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7
5	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6
6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.5	24.5	24.5	24.5	24.4	24.4	24.5	24.5	24.5	24.5	24.5	24.5
7	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.4	24.4	24.5	24.5	24.5	24.5	24.5	24.5
8	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.8	24.6
9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
10	24.8	24.8	24.8	24.8	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.8
11	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7
12	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.8
13	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
14	25.0	25.0	25.0	25.0	25.0	25.0	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9
15	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7
16	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.8	24.6
17	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.8
18	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
19	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9
20	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.8
21	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
22	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.6
23	24.7	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.7	24.6
24	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.8
25	24.9	24.9	24.9	24.9	25.0	25.0	25.0	25.0	25.0	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9
26	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8
27	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7
28	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
29	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.7	24.6
30	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
HOURLY																									
MEAN	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	24.6	24.7	24.8	24.8	24.7	24.6	24.5	24.8	24.8	24.9	24.7	24.8	25.0	25.0	24.8	24.8	24.9	24.9	24.9	24.9	24.8	24.7	24.7	24.9	25.0
MIN	24.5	24.5	24.5	24.6	24.5	24.4	24.4	24.5	24.8	24.7	24.6	24.6	24.8	24.8	24.6	24.6	24.8	24.9	24.8	24.8	24.7	24.6	24.5	24.7	24.8
DAY	26	27	28	29	30	31																			
MAX	24.9	24.7	24.7	24.7	24.7	***																			
MIN	24.7	24.6	24.5	24.5	24.7	***																			

MONTHLY AVERAGE = 24.7    MONTHLY MAXIMUM = 25.0    MONTHLY MINIMUM = 24.4  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE



ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 6/ 1/1993 TO : 6/30/1993

PRECIPITATION (.01 INCHES)  
JUNE - 1993

HOUR																										DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOTAL	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	1	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	
7	0	3	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	21	25	5	0	0	0	24	30	3	111	
18	2	1	1	5	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	
19	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

MONTHLY TOTAL (INCHES)= 1.43 MONTHLY MAXIMUM (INCHES)= .30  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720 VALID DATA RECOVERY RATE = 100.0% OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 1 FROM : 6/ 1/1993 TO : 6/30/1993

RELATIVE HUMIDITY (PERCENT)  
JUNE - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	69.1	64.7	60.3	58.3	74.9	90.7	89.7	77.8	52.2	29.7	20.7	17.4	15.5	15.1	14.1	14.1	14.1	14.5	14.5	15.4	24.8	31.5	39.5	41.6	40.0
2	48.5	56.9	62.6	77.5	88.9	91.5	87.4	83.7	76.4	66.5	59.4	64.2	77.7	68.7	64.5	65.0	67.9	68.2	72.2	87.1	94.2	96.4	91.6	84.4	75.1
3	85.0	83.8	83.7	88.8	94.2	97.8	92.5	82.3	71.2	71.8	56.9	56.7	51.7	43.4	49.2	53.6	55.1	66.8	70.9	82.9	88.6	91.1	89.5	91.4	75.0
4	94.7	95.7	94.7	97.0	99.6	101.3	102.6	101.8	96.0	88.5	77.3	70.1	65.4	63.9	63.7	64.0	65.1	67.8	71.6	73.7	73.5	75.0	75.7	77.0	81.5
5	81.4	83.5	86.4	89.1	97.4	99.5	97.2	85.5	72.6	66.9	61.6	59.0	54.6	46.6	31.1	29.5	46.4	49.2	52.7	59.3	61.8	63.0	63.2	66.0	66.8
6	69.9	75.4	78.9	85.8	88.9	94.0	99.1	99.0	98.6	99.1	96.7	88.0	77.9	71.8	70.0	69.2	70.5	74.4	76.0	79.3	86.0	91.9	94.9	88.1	84.3
7	68.5	73.4	83.0	86.7	90.6	89.9	77.9	54.4	37.9	34.6	31.9	28.8	25.2	23.2	20.3	20.7	21.0	21.5	22.7	24.1	25.0	25.9	30.7	32.9	43.8
8	34.7	35.3	34.6	35.4	36.4	35.0	33.9	31.9	29.8	28.8	27.0	25.8	26.3	26.0	25.5	24.9	38.5	45.2	50.6	60.7	64.4	67.8	73.4	74.7	40.3
9	75.1	75.5	76.3	77.8	78.0	74.4	69.3	69.7	64.9	57.9	CAL	CAL	40.1	42.1	45.5	42.0	42.2	41.4	43.8	44.5	48.0	58.0	66.4	73.9	59.4
10	79.8	80.8	80.5	81.7	81.3	79.8	70.8	58.4	48.8	40.3	34.2	29.0	27.5	24.9	23.8	24.8	28.4	27.7	28.5	31.4	34.7	39.7	38.9	39.2	47.3
11	39.7	40.6	41.5	42.3	42.9	42.7	44.0	41.7	39.3	32.9	24.0	19.0	17.4	16.4	15.5	15.4	16.3	17.2	17.7	20.1	26.0	29.7	32.3	36.8	29.6
12	40.5	44.3	50.4	58.2	59.2	58.4	49.0	38.8	31.7	22.6	14.0	12.9	12.4	11.8	11.4	11.1	12.0	14.9	18.2	27.5	37.8	43.8	51.3	51.4	32.6
13	47.2	43.2	37.5	35.1	30.9	32.7	29.5	27.1	25.5	24.1	22.9	21.3	20.2	19.5	19.0	18.9	19.4	20.8	23.9	27.3	33.5	37.7	40.7	42.8	29.2
14	50.5	61.4	65.3	61.5	61.7	60.8	59.0	53.7	46.4	42.1	41.5	40.1	38.6	38.6	37.3	34.2	33.9	35.8	36.9	39.8	48.3	58.1	61.5	63.1	48.8
15	56.8	60.3	62.0	65.8	69.3	76.8	81.1	73.5	55.1	31.5	15.6	11.4	14.3	14.5	10.7	9.8	9.1	9.6	10.6	12.6	19.0	23.9	30.9	37.9	35.9
16	39.3	34.8	30.3	27.4	28.7	32.3	32.9	29.6	26.0	22.6	35.0	35.6	34.4	33.2	28.0	27.7	27.9	27.5	29.8	36.2	41.0	51.3	86.8	88.3	36.9
17	90.4	90.7	91.7	93.8	101.5	102.7	103.0	102.4	101.3	100.5	96.4	92.1	90.9	95.3	100.3	103.3	104.3	104.3	103.6	100.9	101.2	103.2	103.5	99.1	
18	103.2	103.5	103.9	104.2	104.2	103.9	103.6	101.3	100.8	99.2	93.9	88.6	89.5	88.8	87.1	86.9	91.4	95.4	93.1	92.6	93.9	95.3	95.9	97.0	96.5
19	99.9	99.9	100.4	100.0	100.2	98.2	92.3	79.8	68.5	55.0	42.6	35.3	30.5	31.0	31.3	30.8	32.9	33.7	35.9	38.2	40.0	56.9	63.7	64.0	60.9
20	66.9	67.6	69.6	71.4	75.0	77.1	67.7	55.0	44.0	38.9	36.0	33.0	27.8	23.1	24.1	25.0	25.0	31.1	35.9	39.0	46.5	54.6	55.8	54.0	47.7
21	57.4	60.5	61.7	68.0	66.6	66.3	62.0	58.8	53.8	47.8	43.0	36.3	37.2	20.2	24.5	38.7	36.5	41.0	42.4	44.0	48.6	67.7	71.9	71.6	51.1
22	69.8	68.7	68.4	69.1	69.3	67.9	56.5	44.7	38.5	30.9	16.8	14.7	14.3	13.6	14.2	13.7	14.1	14.8	17.7	31.9	40.5	43.6	43.0	44.7	38.4
23	46.2	49.4	53.9	64.6	71.1	74.4	70.9	69.6	68.6	66.9	61.9	56.2	51.7	49.8	49.2	47.0	46.9	47.1	42.7	44.0	44.4	43.7	40.9	48.4	54.6
24	63.7	55.3	51.2	66.4	68.0	64.0	52.8	43.7	37.9	36.4	34.0	29.3	20.0	16.7	15.6	14.9	14.3	14.3	17.7	27.1	31.1	33.0	39.5	46.2	37.2
25	51.6	56.8	58.5	60.8	61.2	56.9	52.8	45.9	42.7	41.4	38.7	35.7	34.3	28.0	25.0	23.2	22.6	23.1	26.1	32.0	36.0	39.5	39.4	41.1	40.6
26	46.3	51.1	56.6	57.9	59.1	59.0	52.3	43.4	37.2	26.9	16.1	13.1	11.9	11.4	11.0	10.8	10.8	10.9	13.1	14.8	15.2	16.4	23.8	27.3	29.0
27	32.7	42.7	46.3	46.6	46.1	45.1	39.0	32.8	26.8	17.3	11.2	11.1	10.2	10.0	11.6	11.0	10.8	11.6	13.6	19.8	30.1	34.2	34.9	39.5	26.5
28	41.1	44.0	46.3	45.2	46.9	48.8	43.0	35.8	30.3	21.8	11.8	10.4	10.0	9.9	9.6	9.4	9.3	9.8	10.8	11.7	12.9	15.1	15.9	17.4	23.6
29	19.0	19.5	21.9	26.3	27.1	30.1	27.3	23.2	17.5	14.1	12.4	11.1	10.2	9.6	9.6	9.5	9.7	10.1	10.7	14.0	20.7	24.9	33.1	39.0	18.8
30	37.7	47.3	49.0	51.4	63.4	67.9	65.8	63.3	55.4	47.2	42.4	41.8	40.0	37.9	35.3	35.1	36.0	37.2	40.2	44.3	54.3	68.6	69.0	71.1	50.1
HOURLY MEAN	60.2	62.2	63.6	66.5	69.4	70.7	66.8	60.3	53.2	46.8	40.7	37.7	36.0	33.3	32.4	32.7	34.4	36.2	38.2	42.6	47.4	52.6	56.6	58.5	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	90.7	96.4	97.8	102.6	99.5	99.1	90.6	74.7	78.0	81.7	44.0	59.2	47.2	65.3	81.1	88.3	104.3	104.3	104.3	100.4	77.1	71.9	69.8	74.4	61.2
MIN	14.1	48.5	43.4	63.7	29.5	69.2	20.3	24.9	40.1	23.8	15.4	11.1	18.9	33.9	9.1	22.6	90.4	86.9	30.5	23.1	20.2	13.6	40.9	14.3	22.6
DAY	26	27	28	29	30	31																			
MAX	59.1	46.6	48.8	39.0	71.1	***																			
MIN	10.8	10.0	9.3	9.5	35.1	***																			

MONTHLY AVERAGE = 50.0    MONTHLY MAXIMUM = 104.3    MONTHLY MINIMUM = 9.1  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 99.7%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 1 FROM : 6/ 1/1993 TO : 6/30/1993

MAXIMUM WIND SPEED (MPH)

JUNE - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	25.3	32.5	27.8	25.9	17.3	9.0	10.3	6.9	11.2	14.3	14.8	27.5	22.3	23.6	28.4	27.4	33.4	31.6	31.5	21.0	18.2	16.8	13.7	11.8	20.9
2	7.5	5.9	7.0	10.5	8.5	7.7	9.9	8.9	12.9	22.6	25.8	26.8	27.6	26.0	22.7	25.6	24.3	22.1	20.1	14.6	8.8	8.0	25.3	19.1	16.6
3	22.2	16.7	15.9	26.5	16.8	18.6	15.3	15.6	22.3	16.9	14.5	21.8	22.2	25.0	22.2	23.4	26.7	29.7	23.1	17.0	12.7	13.9	14.3	13.1	19.4
4	10.0	8.5	11.4	11.5	9.6	9.7	9.2	9.2	10.4	9.6	15.3	16.8	18.3	18.2	18.4	20.1	20.0	13.7	16.7	15.0	12.1	7.0	4.2	19.9	13.1
5	16.2	17.6	6.9	11.6	4.7	4.7	5.9	5.8	9.3	9.6	14.3	17.8	19.1	22.4	25.8	27.1	23.9	19.6	15.6	12.2	8.7	6.8	7.5	7.5	13.3
6	7.9	11.1	8.0	7.4	6.3	5.1	5.9	12.2	14.1	11.8	12.7	13.6	12.2	16.0	16.1	20.9	16.7	18.1	13.0	14.6	12.4	8.3	8.5	23.4	12.3
7	21.7	22.9	8.8	9.9	14.6	19.9	11.3	18.2	31.9	30.1	38.5	37.5	31.4	32.9	47.0	40.2	41.3	39.9	33.1	27.3	27.5	27.2	38.3	42.0	28.9
8	21.2	23.6	22.3	23.8	18.8	23.5	19.1	27.4	16.6	13.2	17.0	17.1	19.4	16.9	19.8	22.2	28.0	22.6	21.6	13.6	17.8	11.4	8.7	8.1	18.9
9	7.8	11.1	10.9	12.5	11.5	14.1	16.4	11.5	13.2	17.1	CAL	CAL	19.6	25.4	15.2	26.8	18.6	13.8	12.9	8.1	9.0	10.3	9.6	10.9	13.9
10	7.8	8.4	8.4	10.9	10.0	9.7	8.5	12.0	9.7	14.0	15.1	13.8	15.2	18.6	16.4	16.5	16.0	16.0	14.7	13.0	15.8	23.2	29.3	32.2	14.8
11	30.0	32.5	25.3	19.9	14.0	16.3	9.8	10.9	7.4	7.7	12.1	16.9	19.5	22.8	24.3	20.5	14.4	13.1	21.5	30.7	10.6	10.0	11.1	9.7	17.1
12	11.4	11.1	11.5	11.7	11.9	12.6	16.2	15.5	16.7	16.1	22.6	20.5	19.3	30.8	20.5	20.1	27.9	20.5	12.0	14.2	21.5	17.1	10.2	10.8	16.8
13	9.5	4.7	10.9	15.0	15.0	13.5	11.2	16.0	15.8	15.0	14.8	15.9	16.3	16.7	15.8	12.2	10.7	13.8	14.7	12.7	7.8	11.3	11.9	7.1	12.8
14	11.0	5.2	11.2	10.5	10.3	6.3	7.2	8.1	9.5	8.2	11.3	15.1	13.8	23.0	16.3	14.1	21.2	21.0	18.0	18.5	13.4	15.0	12.4	14.4	13.1
15	15.2	12.4	11.9	7.9	4.6	5.4	7.8	5.7	12.3	15.2	17.0	18.7	22.3	25.8	19.9	23.2	31.9	35.5	21.8	20.5	23.9	23.6	18.3	15.9	17.4
16	14.9	15.5	13.0	13.7	9.9	9.3	10.9	16.6	12.5	21.3	22.8	23.0	27.4	23.8	29.8	27.1	22.0	28.3	24.4	26.1	38.9	46.0	33.6	31.7	22.6
17	17.0	16.5	16.0	13.4	9.8	9.2	11.7	11.5	11.9	12.6	14.0	15.9	13.9	13.0	14.5	18.3	14.4	16.4	11.4	16.9	16.1	12.5	18.8	26.1	14.7
18	16.9	20.6	14.4	19.7	16.3	9.8	12.8	11.0	12.9	8.7	7.8	9.5	11.3	9.1	15.7	11.5	12.5	7.1	4.7	3.5	2.7	5.0	2.8	5.4	10.5
19	7.1	9.7	10.5	10.1	11.4	10.6	11.1	11.8	9.5	8.2	10.8	12.9	19.0	16.8	11.8	12.8	13.0	19.2	9.7	9.3	10.5	11.1	9.9	10.8	11.6
20	11.6	12.7	12.5	9.9	11.3	9.5	11.2	10.0	6.9	7.2	11.3	13.0	14.4	11.8	15.4	12.1	15.0	15.9	12.9	24.7	17.3	20.5	24.4	26.0	14.1
21	18.5	12.3	12.8	18.2	13.6	8.2	11.5	11.1	7.3	10.7	14.9	13.3	25.6	21.9	23.0	28.7	10.7	11.9	7.8	4.3	10.6	12.3	9.3	8.1	13.6
22	10.7	8.2	10.6	12.6	12.1	11.7	18.4	18.5	19.5	17.1	13.2	18.8	16.0	16.6	24.4	21.8	19.4	19.0	15.8	24.0	23.9	18.0	12.2	8.7	16.3
23	9.0	9.1	5.5	14.2	6.7	6.3	9.9	11.1	9.6	14.2	9.9	14.0	16.8	18.6	15.7	14.7	20.0	37.2	28.1	16.4	26.3	27.4	28.6	14.6	16.0
24	13.3	16.8	17.0	11.4	13.2	14.5	19.6	20.2	19.5	18.6	16.3	13.6	15.1	15.2	17.8	12.5	10.1	11.0	15.5	11.4	14.4	13.4	14.7	12.8	14.9
25	12.5	11.8	8.5	5.4	2.8	2.4	6.2	8.9	7.3	8.6	8.8	14.0	16.8	14.6	15.4	13.6	15.9	14.4	13.1	8.6	10.3	4.9	2.8	4.7	9.7
26	5.6	11.0	10.8	13.4	13.7	9.9	14.2	13.5	9.2	8.4	11.5	22.0	18.7	19.4	15.9	10.4	12.8	11.0	15.1	4.9	6.2	12.3	10.2	20.4	12.5
27	10.5	9.5	8.7	11.6	11.9	15.2	13.1	15.3	14.2	18.5	41.2	40.7	21.7	17.8	24.8	20.9	19.1	21.6	14.9	27.9	13.4	13.6	10.4	8.6	17.7
28	8.6	5.0	6.5	7.6	12.5	10.8	12.8	11.1	13.8	11.7	15.6	23.0	19.8	19.3	19.6	14.9	14.7	16.9	27.3	13.0	12.7	15.3	19.4	18.2	14.6
29	17.3	15.9	13.5	15.3	17.3	11.5	20.3	22.0	19.6	14.4	13.3	13.6	15.6	16.5	18.1	21.3	21.9	19.0	19.6	29.9	28.0	15.4	25.1	13.1	18.2
30	11.1	10.9	7.3	9.7	9.5	4.5	8.0	9.8	8.8	12.3	14.7	15.9	15.9	15.1	18.6	18.1	20.5	20.8	18.8	15.6	8.7	7.9	8.1	11.0	12.6

HOURLY  
MEAN 13.6 13.7 12.2 13.4 11.5 10.6 11.9 12.9 13.2 13.8 16.3 18.7 18.9 19.8 20.3 20.0 19.9 20.0 17.6 16.3 15.3 14.8 15.1 15.5

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	33.4	27.6	29.7	20.1	27.1	23.4	47.0	28.0	26.8	32.2	32.5	30.8	16.7	23.0	35.5	46.0	26.1	20.6	19.2	26.0	28.7	24.4	37.2	20.2	16.8
MIN	6.9	5.9	12.7	4.2	4.7	5.1	8.8	8.1	7.8	7.8	7.4	10.2	4.7	5.2	4.6	9.3	9.2	2.7	7.1	6.9	4.3	8.2	5.5	10.1	2.4

DAY 26 27 28 29 30 31  
MAX 22.0 41.2 27.3 29.9 20.8 \*\*\*  
MIN 4.9 8.6 5.0 11.5 4.5 \*\*\*

MONTHLY AVERAGE = 15.6 MONTHLY MAXIMUM = 47.0 MONTHLY MINIMUM = 2.4  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720 VALID DATA RECOVERY RATE = 99.7% OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 1 FROM : 6/ 1/1993 TO : 6/30/1993

10M-2M TEMPERATURE DIFFERENCE  
JUNE - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1.5	.9	1.0	1.1	2.2	1.5	-.4	-.8	-.9	-1.1	-.5	-.6	-.4	-.0	-.9	-.6	-.3	.6	.7	1.3	2.0	1.5	1.1	1.7	.4
2	2.6	3.2	3.7	2.3	2.4	.1	-.3	-.5	-1.0	-1.4	-1.4	.2	-.8	-1.5	-.7	-.9	-.7	-.4	.1	.3	.6	.2	.3	.4	.3
3	.5	.4	.4	1.0	1.7	.1	-.0	-.5	.0	-.3	-1.3	-1.4	-1.1	-.9	-.2	-.2	.1	.1	.3	.4	.7	.4	.2	.2	.0
4	.3	.1	.0	-.1	-.1	-.2	-.2	-.4	-.5	-.7	-1.5	-1.3	-1.2	-1.1	-.3	-.2	-.0	.3	.3	.3	.5	.9	.6	.4	-.2
5	1.0	1.2	2.4	2.8	2.4	1.4	.1	-.5	-.8	-.9	-1.5	-1.5	-1.5	-1.6	-1.2	-.7	-.2	.1	.7	2.8	3.1	3.9	5.0	4.4	.9
6	5.1	5.0	4.4	3.1	1.0	.0	-.2	-.3	-.4	-.4	-1.0	-1.3	-1.2	-1.3	-1.3	-.6	-.7	-.2	.0	.5	.8	2.3	2.1	.9	.7
7	.9	.9	1.8	1.7	1.8	1.1	.5	-.4	-.7	-1.2	-1.2	-1.8	-1.9	-2.0	-1.5	-1.3	-.8	-.1	.6	1.3	1.3	2.4	2.1	1.1	.2
8	1.5	1.3	1.1	1.1	2.2	.6	-.2	-1.0	-1.0	-1.0	-1.5	-1.5	-1.1	-.9	-1.2	-.3	.0	.4	.9	.7	.9	2.5	5.0	.3	
9	5.1	4.7	4.2	2.9	3.3	1.0	-.3	-.3	-.4	-1.2	CAL	CAL	-1.0	-.5	-.6	-1.2	-.7	-.3	1.0	3.8	6.2	4.4	5.5	4.9	1.8
10	4.7	5.6	4.2	3.7	4.1	1.4	.1	-.2	-.7	-1.1	-1.4	-1.0	-1.1	-1.3	-1.1	-.7	-.2	.1	.7	3.9	2.0	1.1	.7	.7	1.0
11	.7	.6	.6	.8	1.0	.7	-.0	-.9	-.9	-.8	-.9	-1.2	-1.2	-1.4	-1.2	-.6	-.0	.6	1.6	2.1	5.1	5.8	7.4	5.7	1.0
12	6.5	6.6	5.4	4.9	4.0	.6	.0	-.5	-.6	-.9	-1.4	-1.4	-1.5	-1.2	-1.3	-1.5	-.9	.3	3.2	4.4	3.1	1.1	3.2	4.1	1.5
13	3.0	5.6	8.6	3.5	1.9	.5	-.6	-1.3	-1.4	-1.4	-1.3	-1.3	-1.5	-1.4	-1.2	-.9	-.6	-.1	.5	1.1	2.4	2.1	2.6	2.2	.9
14	2.6	3.6	4.4	4.7	4.4	1.3	-.8	-.9	-1.3	-1.2	-1.5	-1.8	-1.7	-1.3	-1.1	-.9	-1.0	-.6	.2	1.1	2.3	1.8	2.3	2.3	.7
15	1.6	2.7	4.2	3.5	2.5	2.2	-.4	-.7	-.6	-1.1	-1.0	-1.3	-1.9	-2.5	-1.9	-1.2	-.8	-.0	2.6	3.9	1.1	1.0	1.8	2.0	.7
16	2.2	2.0	3.8	5.0	3.4	3.6	2.2	.0	-.3	-.5	-.9	-.7	-.8	-.3	-.8	.0	-.6	-.2	.3	.6	.3	.4	.1	.0	.8
17	.0	.0	.0	.1	.1	.0	.0	-.0	-.2	-.1	-.3	-.6	-.4	-.5	-.3	.1	.2	.0	.1	.2	.2	.1	.1	.2	-.0
18	.1	.1	.0	.0	.1	-.0	-.2	-.3	-.3	-.5	-.6	-.9	-.4	-.4	-.5	-.3	.1	.0	.1	.8	1.7	2.6	2.7	2.7	.3
19	1.4	1.6	1.6	1.5	1.3	.5	-.1	-.4	-.6	-.6	-.7	-.9	-1.3	-1.4	-1.1	-.9	-.4	.0	1.2	6.5	9.6	5.5	4.4	4.5	1.3
20	3.3	3.0	2.7	4.1	3.2	.8	-.2	-.3	-.4	-.5	-.8	-.8	-.8	-.9	-.7	-.3	-.2	.2	1.2	.7	1.1	1.2	.9	1.0	.7
21	1.5	3.3	2.6	1.4	2.5	1.7	-.1	-.6	-.9	-1.1	-.8	-.9	-.3	-.5	-.4	.6	-.1	.0	1.0	3.5	5.4	3.5	2.3	4.6	1.2
22	4.7	5.2	5.9	3.6	3.0	1.1	.1	-.4	-.7	-.8	-.8	-.9	-.9	-.8	-.2	-.7	-.4	.3	1.6	2.5	.9	1.2	3.4	3.5	1.3
23	4.0	3.9	3.9	3.6	3.4	.8	-.4	-1.0	-.9	-1.2	-.9	-1.1	-1.1	-1.1	-1.0	-.5	-.7	-.4	.2	.7	.6	.5	.9	1.2	.6
24	1.3	1.1	.9	1.7	1.5	.6	-.4	-.9	-1.3	-1.5	-1.1	-1.1	-1.3	-1.4	-1.2	-.9	-.5	-.4	.9	2.2	2.6	4.6	6.3	3.6	.6
25	2.4	3.3	3.5	3.0	1.6	2.1	-.9	-.7	-.9	-1.1	-1.0	-1.4	-1.5	-1.2	-.9	-.9	-.5	-.0	.8	2.4	2.7	5.0	4.7	3.8	1.0
26	4.4	6.4	4.4	4.6	4.0	1.6	-.2	-.5	-.5	-.7	-1.0	-1.3	-1.4	-.9	-.8	-.5	-.4	-.0	2.2	3.1	5.5	9.2	4.8	6.4	2.0
27	6.1	4.3	5.9	6.6	4.9	1.5	-.1	-.5	-.7	-1.0	-.7	-.6	-.9	-1.1	-1.1	-.9	-.5	.3	1.5	1.4	3.4	3.7	4.1	3.7	1.6
28	4.7	2.9	6.4	7.0	6.9	1.5	-.2	-.6	-.7	-.8	-1.0	-1.4	-1.3	-1.0	-.8	-.7	-.4	1.0	.9	3.8	4.5	3.6	1.3	1.8	1.6
29	2.5	4.1	3.2	3.5	2.7	2.4	.0	-.6	-.7	-1.2	-1.2	-1.1	-1.7	-1.2	-1.4	-1.2	-.8	.1	1.0	1.4	.6	1.4	1.2	1.3	.6
30	4.1	3.4	2.0	2.0	2.5	1.1	-.5	-.9	-1.0	-1.5	-1.6	-2.1	-1.7	-1.4	-1.3	-1.3	-1.1	-.5	.1	.7	1.3	1.6	.9	2.3	.3
HOURLY																									
MEAN	2.7	2.9	3.1	2.8	2.5	1.1	-.1	-.6	-.7	-.9	-1.0	-1.1	-1.2	-1.1	-.9	-.7	-.4	.0	.9	2.0	2.4	2.5	2.5	2.5	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	2.2	3.7	1.7	.9	5.0	5.1	2.4	5.0	6.2	5.6	7.4	6.6	8.6	4.7	4.2	5.0	.2	2.7	9.6	4.1	5.4	5.9	4.0	6.3	5.0
MIN	-1.1	-1.5	-1.4	-1.5	-1.6	-1.3	-2.0	-1.5	-1.2	-1.4	-1.4	-1.5	-1.5	-1.8	-2.5	-.9	-.6	-.9	-1.4	-.9	-1.1	-.9	-1.2	-1.5	-1.5
DAY	26	27	28	29	30	31																			
MAX	9.2	6.6	7.0	4.1	4.1	***																			
MIN	-1.4	-1.1	-1.4	-1.7	-2.1	***																			

MONTHLY AVERAGE = .8    MONTHLY MAXIMUM = 9.6    MONTHLY MINIMUM = -2.5  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 99.7%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 3 FROM : 6/ 1/1993 TO : 6/30/1993

SOLAR RADIATION (LANGLEYS/HR)  
JUNE - 1993

DAY	HOUR																								DAILY
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	.0	.0	.0	.0	.0	.1	.4	.7	1.0	1.1	1.3	1.4	1.1	.8	1.2	.8	.7	.2	.1	.0	.0	.0	.0	.0	.5
2	.0	.0	.0	.0	.0	.2	.4	.4	1.0	1.2	1.0	.1	.9	1.4	.7	.5	.4	.3	.1	.0	.0	.0	.0	.0	.4
3	.0	.0	.0	.0	.0	.1	.3	.6	.2	.8	1.5	1.3	1.1	.9	.3	.3	.1	.1	.1	.0	.0	.0	.0	.0	.3
4	.0	.0	.0	.0	.0	.0	.1	.2	.3	.7	1.2	1.4	1.2	1.2	.4	.3	.2	.1	.1	.0	.0	.0	.0	.0	.3
5	.0	.0	.0	.0	.0	.1	.3	.6	1.0	1.1	1.4	1.1	1.4	1.3	1.2	.7	.3	.2	.1	.0	.0	.0	.0	.0	.4
6	.0	.0	.0	.0	.0	.1	.2	.2	.2	.2	.9	.8	.9	1.2	.9	.8	.4	.2	.1	.0	.0	.0	.0	.0	.3
7	.0	.0	.0	.0	.0	.0	.3	.6	1.0	1.3	1.3	1.4	1.6	1.5	1.3	1.1	.8	.4	.1	.0	.0	.0	.0	.0	.5
8	.0	.0	.0	.0	.0	.2	.5	.8	.9	1.0	1.1	1.7	.9	1.3	.9	.8	.2	.1	.1	.0	.0	.0	.0	.0	.4
9	.0	.0	.0	.0	.0	.2	.2	.3	.4	1.3	1.1	1.6	1.1	.3	.7	1.1	.6	.3	.1	.0	.0	.0	.0	.0	.4
10	.0	.0	.0	.0	.0	.2	.4	.7	CAL	CAL	1.5	1.4	1.6	1.4	1.3	.7	.3	.3	.1	.0	.0	.0	.0	.0	.4
11	.0	.0	.0	.0	.0	.1	.3	.8	.8	1.3	1.4	1.5	1.4	1.5	1.3	.7	.3	.2	.0	.0	.0	.0	.0	.0	.5
12	.0	.0	.0	.0	.0	.2	.4	.7	.9	1.1	1.5	1.6	1.5	1.5	1.2	1.1	.6	.2	.1	.0	.0	.0	.0	.0	.5
13	.0	.0	.0	.0	.0	.2	.4	.7	1.0	1.3	1.5	1.6	1.6	1.5	1.3	1.0	.7	.4	.1	.0	.0	.0	.0	.0	.6
14	.0	.0	.0	.0	.0	.2	.4	.7	1.0	1.3	1.4	1.5	1.5	1.3	1.2	1.0	.7	.5	.1	.0	.0	.0	.0	.0	.5
15	.0	.0	.0	.0	.0	.1	.4	.6	.9	1.3	1.3	1.4	1.4	1.3	1.2	.9	.8	.4	.1	.0	.0	.0	.0	.0	.5
16	.0	.0	.0	.0	.0	.1	.1	.3	.6	.5	.7	.6	.9	.4	1.1	.3	.7	.4	.1	.0	.0	.0	.0	.0	.3
17	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.4	.8	.2	.2	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1
18	.0	.0	.0	.0	.0	.0	.2	.3	.2	.5	.5	.3	.1	.2	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.1
19	.0	.0	.0	.0	.0	.2	.4	.7	1.0	1.3	1.5	1.6	1.6	1.5	1.3	1.0	.7	.4	.1	.0	.0	.0	.0	.0	.6
20	.0	.0	.0	.0	.0	.2	.4	.7	1.0	1.3	1.5	1.5	1.5	1.5	1.2	.9	.5	.2	.1	.0	.0	.0	.0	.0	.5
21	.0	.0	.0	.0	.0	.2	.4	.7	1.0	1.2	1.4	1.5	.9	1.0	.5	.3	.6	.4	.1	.0	.0	.0	.0	.0	.4
22	.0	.0	.0	.0	.0	.2	.4	.7	1.0	1.3	1.4	1.5	1.5	1.4	.8	.9	.7	.4	.1	.0	.0	.0	.0	.0	.5
23	.0	.0	.0	.0	.0	.1	.4	.5	.9	1.1	1.5	1.4	1.5	1.0	1.2	.8	.7	.4	.2	.0	.0	.0	.0	.0	.5
24	.0	.0	.0	.0	.0	.2	.4	.8	1.0	1.3	1.5	1.6	1.5	1.5	1.3	1.0	.7	.4	.1	.0	.0	.0	.0	.0	.6
25	.0	.0	.0	.0	.0	.2	.4	.7	1.0	1.3	1.4	1.5	1.5	1.4	1.3	1.0	.7	.4	.1	.0	.0	.0	.0	.0	.5
26	.0	.0	.0	.0	.0	.2	.4	.7	1.0	1.3	1.5	1.6	1.5	1.4	1.3	1.0	.7	.3	.1	.0	.0	.0	.0	.0	.5
27	.0	.0	.0	.0	.0	.2	.4	.7	1.0	1.3	.8	1.2	1.2	1.3	1.0	1.0	.7	.3	.0	.0	.0	.0	.0	.0	.5
28	.0	.0	.0	.0	.0	.1	.4	.7	1.0	1.3	1.5	1.1	.8	1.0	1.2	1.0	.6	.2	.1	.0	.0	.0	.0	.0	.5
29	.0	.0	.0	.0	.0	.1	.4	.7	1.0	1.2	1.4	1.5	1.5	1.4	1.3	1.0	.7	.4	.1	.0	.0	.0	.0	.0	.5
30	.0	.0	.0	.0	.0	.1	.4	.7	1.0	1.2	1.4	1.5	1.5	1.4	1.2	1.0	.5	.3	.1	.0	.0	.0	.0	.0	.5
HOURLY																									
MEAN	.0	.0	.0	.0	.0	.1	.3	.6	.8	1.1	1.3	1.3	1.2	1.2	1.0	.8	.5	.3	.1	.0	.0	.0	.0	.0	.0

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	1.4	1.4	1.5	1.4	1.4	1.2	1.6	1.7	1.6	1.6	1.5	1.6	1.6	1.5	1.4	1.1	.8	.5	1.6	1.5	1.5	1.5	1.5	1.6	1.5
MIN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

  

DAY	26	27	28	29	30	31
MAX	1.6	1.3	1.5	1.5	1.5	***
MIN	-.0	.0	.0	.0	.0	***

MONTHLY AVERAGE = .4    MONTHLY MAXIMUM = 1.7    MONTHLY MINIMUM = -.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 99.7%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 6/ 1/1993 TO : 6/30/1993

OZONE (PPB)  
JUNE - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	40	44	48	47	32	13	23	30	42	52	55	55	52	53	52	53	55	55	56	53	48	44	37	41	45
2	33	33	31	21	17	16	28	34	40	48	53	49	43	50	54	51	50	49	46	36	30	28	34	43	38
3	40	42	39	37	30	33	39	45	CAL	47	56	56	58	57	55	54	53	44	44	43	31	36	38	35	44
4	32	35	33	30	30	29	29	30	28	30	37	44	46	48	47	47	43	44	37	32	34	33	32	31	36
5	31	31	29	24	20	17	18	25	31	37	47	49	56	54	59	63	80	69	58	73	66	64	47	16	44
6	3	7	16	7	3	7	20	31	29	27	35	41	46	51	50	52	52	50	47	41	36	29	25	24	30
7	41	40	32	30	27	38	43	52	54	56	55	56	CAL	57	57	56	56	50	47	41	42	39	40	45	46
8	43	41	36	35	30	36	33	41	44	44	CAL	CAL	54	56	53	46	41	44	39	33	38	40	34	33	41
9	26	20	26	21	18	27	29	30	36	47	52	56	57	52	54	58	59	57	51	52	39	28	17	11	39
10	7	11	2	7	11	10	11	20	35	44	51	56	61	66	67	63	60	62	58	51	46	43	47	49	39
11	52	54	49	47	40	36	24	28	35	46	56	61	65	64	61	59	53	52	54	53	46	40	20	28	47
12	7	3	11	17	16	20	25	34	44	54	60	64	64	64	65	70	68	65	57	44	47	43	45	40	43
13	35	35	37	35	38	40	42	43	47	48	50	51	53	54	57	58	59	58	53	49	41	32	33	33	45
14	22	19	12	18	17	13	24	32	41	50	59	71	79	65	71	69	56	50	47	45	40	31	31	29	41
15	30	29	20	11	17	19	24	34	36	54	59	60	77	88	73	62	57	55	52	48	45	40	36	35	44
16	30	36	35	30	22	16	16	27	34	46	45	50	52	54	58	57	57	57	55	48	52	47	40	41	42
17	42	41	41	41	36	35	33	34	37	37	37	40	41	41	38	33	27	30	31	28	26	24	23	24	34
18	23	24	25	26	25	26	25	25	23	25	27	29	28	28	31	33	30	26	24	23	23	21	22	19	25
19	4	3	3	1	9	18	26	35	45	51	56	58	53	53	58	60	64	62	57	49	33	24	17	22	36
20	12	14	15	24	25	27	28	29	37	51	66	68	65	66	63	62	60	53	52	50	46	42	45	47	44
21	37	35	35	32	31	20	19	22	44	50	62	70	74	60	62	57	66	58	53	46	42	27	25	25	44
22	18	27	12	13	22	19	28	35	42	53	56	62	62	63	66	66	72	74	68	53	44	40	40	26	44
23	21	21	24	19	19	11	22	34	51	55	60	65	71	66	CAL	58	61	64	43	38	37	38	39	32	41
24	25	26	30	27	24	25	30	34	38	41	46	53	58	63	66	68	71	71	64	52	41	45	35	27	44
25	20	19	17	16	13	17	23	32	36	41	45	48	56	60	62	65	64	63	58	47	41	42	46	46	41
26	34	13	16	26	29	27	34	43	49	54	55	57	60	63	64	67	70	73	62	44	42	33	8	3	43
27	3	19	30	20	10	23	28	35	38	47	53	56	59	58	64	67	69	64	49	42	29	20	23	17	38
28	13	17	21	24	10	11	19	31	37	48	58	61	58	59	66	66	65	57	40	32	11	2	13	27	35
29	32	30	27	28	28	29	32	36	47	55	62	68	68	71	73	76	77	76	70	60	54	48	48	40	51
30	40	29	25	29	28	22	34	41	49	54	60	67	66	66	68	67	65	64	63	55	43	37	34	34	48
HOURLY																									
MEAN	27	27	26	25	23	23	27	33	40	46	52	56	58	58	59	59	59	57	51	45	40	35	33	31	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	56	54	58	48	80	52	57	56	59	67	65	70	59	79	88	58	42	33	64	68	74	74	71	71	65
MIN	13	16	30	28	16	3	27	30	11	2	20	3	32	12	11	16	23	19	1	12	19	12	11	24	13

  

DAY	26	27	28	29	30	31
MAX	73	69	66	77	68	***
MIN	3	3	2	27	22	***

MONTHLY AVERAGE = 41.1    MONTHLY MAXIMUM = 87.8    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 99.3%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 6/ 1/1993 TO : 6/30/1993

CARBON MONOXIDE (PPM)  
JUNE - 1993

DAY	HOUR																								DAILY
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	.1	.1	.1	.1	.1	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
3	.1	.1	.1	.1	.1	.1	.1	.1	.1	CAL	.1	CAL	CAL	CAL	CAL	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
4	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.1
5	.1	.1	.1	.1	.1	.1	.1	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.3	.4	.6	1.0	.2
6	1.4	.9	.6	.7	.7	.6	.4	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.3
7	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	CAL	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
8	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	CAL	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
9	.1	.1	.1	.1	.1	.1	.2	.3	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.4	.1
10	.4	.3	.5	.3	.1	.4	.5	.4	.4	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2
11	.1	.1	.1	.1	.1	.1	.5	.5	.4	CAL	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.4	.3	.2
12	.7	1.0	.5	.3	.2	.3	.2	.3	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2
13	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
14	.1	.1	.3	.3	.3	.4	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2
15	.1	.1	.2	.4	.4	.3	.3	.2	.7	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2
16	.1	.1	.1	.1	.1	.2	.4	.6	.5	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
17	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
18	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
19	.6	1.5	2.1	.9	.3	.3	.3	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.4	.3
20	.4	.3	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
21	.1	.1	.1	.1	.1	.3	.5	.8	.3	.3	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.2
22	.3	.1	.3	.3	.1	.4	.3	.4	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2
23	.1	.1	.1	.1	.1	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	CAL	.1	.1	.1	.1	.1	.1	.1	.1	.1
24	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
25	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	CAL	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
26	.1	.5	.6	.4	.2	.3	.3	.4	.3	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.8	1.2	.3
27	1.0	.2	.1	.3	.4	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2
28	.1	.1	.1	.1	.4	.5	.5	.4	.5	.5	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.5	.7	.3	.1	.2
29	.1	.1	.1	.1	.1	.2	.3	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
30	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
HOURLY MEAN	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	.3	.1	.1	.2	1.0	1.4	.1	.1	.4	.5	.5	1.0	.1	.4	.7	.6	.1	.1	2.1	.4	.8	.4	.2	.1	.1
MIN	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1

  

DAY	26	27	28	29	30	31
MAX	1.2	1.0	.7	.3	.1	***
MIN	.1	.1	.1	.1	.1	***

MONTHLY AVERAGE = .2    MONTHLY MAXIMUM = 2.1    MONTHLY MINIMUM = .1  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 98.6%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 6/ 1/1993 TO : 6/30/1993

SULFUR DIOXIDE (PPB)  
JUNE - 1993

DAY	HOUR																								DAILY
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	3	5	1
6	8	8	3	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
7	1	1	1	1	1	1	1	1	4	1	CAL	1	1	1	1	1	1	3	1	3	3	3	1	1	1
8	1	1	1	1	1	1	3	CAL	CAL	CAL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	3	2	1	3	21	39	8	5	2	1	1	CAL	CAL	CAL	CAL	1	1	1	1	1	1	1	5
11	1	1	1	1	1	1	3	19	CAL	CAL	3	1	1	1	1	1	1	1	1	1	1	1	3	1	2
12	4	5	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	6	9	1	1	3	4	CAL	CAL	CAL	CAL	CAL	CAL	1	1	1	1	1	1	1	1	2
15	1	1	1	1	1	1	1	1	6	1	1	1	6	3	1	1	1	1	1	1	1	1	1	1	2
16	1	1	1	3	4	12	18	1	1	9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	3	47	27	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
21	1	1	1	1	1	1	5	24	7	7	5	2	3	1	1	1	1	1	1	1	1	1	1	1	3
22	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	3	3	1	1	1	1	1	1	1	1	1	1	CAL	CAL	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	CAL	CAL	1	1	1	1	1	1	1	1	1
26	1	1	5	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	4	3	1
27	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	2	3	2	1	2	2	1	1	1	1	1	2	2	3	7	2	5	10	10	3	3
29	3	6	11	6	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
HOURLY																									
MEAN	2	2	2	1	1	2	3	5	3	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	4	1	1	1	5	8	4	3	1	39	19	5	1	9	6	18	1	1	2	47	24	3	3	2	1
MIN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

  

DAY	26	27	28	29	30	31
MAX	5	7	10	11	1	***
MIN	1	1	1	1	1	***

MONTHLY AVERAGE = 1.6    MONTHLY MAXIMUM = 46.8    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 97.2%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE



ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 6/ 1/1993 TO : 6/30/1993

NITRIC OXIDE (PPB)  
JUNE - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	1	1	1	1	1	6	7	6	4	2	1	1	1	1	2	2	2	2	2	2	2	1	1	1	2
2	1	1	1	1	1	5	4	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	2	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	3	5	7	7	8	4	3	1	1	1	1	1	2	2	1	1	1	1	1	2
6	14	5	1	1	4	8	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
7	1	1	1	1	1	1	1	1	3	2	CAL	CAL	CAL		1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	CAL	CAL	CAL	CAL		1	1	1	CAL		1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	3	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	3	1	1	12	41	32	9	3	1	1	1	CAL	CAL	CAL	CAL		1	1	1	1	1	1	6
11	1	1	1	1	1	1	8	12	CAL	CAL		1	1	1	1	1	1	1	1	1	1	1	1	1	2
12	1	15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	11	5	1	1	1	CAL	CAL	CAL	CAL	CAL	CAL		1	2	2	3	3	4	4	3
15	4	4	4	5	5	8	10	9	18	7	4	3	3	3	2	2	3	3	2	3	3	3	3	4	5
16	4	4	4	4	4	7	11	12	11	6	4	4	4	4	4	3	4	4	3	3	4	4	4	3	5
17	3	3	3	3	4	4	4	4	4	4	4	5	4	4	4	4	4	4	4	4	4	4	4	4	4
18	3	4	3	3	4	3	4	4	4	5	2	3	3	4	4	4	4	4	4	4	4	4	4	5	4
19	10	64	84	28	6	8	8	9	7	6	5	4	4	3	3	3	3	3	3	4	4	4	5	5	12
20	5	5	5	5	5	7	9	16	12	8	4	3	3	3	4	3	3	3	4	4	4	4	5	5	6
21	5	6	5	5	4	9	20	33	10	9	6	5	4	3	3	4	4	4	4	4	4	4	5	5	7
22	5	5	7	5	5	9	12	13	11	6	4	1	1	2	2	3	3	3	3	4	4	4	5	5	5
23	6	6	6	6	6	15	15	9	6	5	5	4	4	CAL	CAL		1	2	3	4	3	3	3	3	5
24	4	4	4	4	4	5	6	7	6	5	4	5	5	5	5	4	4	4	3	3	4	4	5	5	4
25	4	5	5	6	7	8	8	6	5	5	5	5	4	2	CAL	CAL		1	2	3	3	4	4	4	5
26	4	7	5	5	5	7	9	10	10	7	3	2	3	3	3	3	3	3	3	3	3	3	3	6	5
27	10	5	5	5	5	6	9	9	10	6	3	3	3	2	2	2	3	3	2	3	2	3	4	4	5
28	5	4	4	4	17	17	19	14	14	12	3	1	1	1	2	3	1	1	2	1	6	18	7	3	7
29	3	4	4	4	4	7	9	8	5	3	3	1	2	1	1	1	1	1	1	1	3	3	4	4	3
30	4	4	4	4	4	7	6	6	5	4	3	1	1	2	1	2	1	1	2	2	2	3	4	4	3
HOURLY MEAN	4	5	6	4	4	6	8	8	6	4	3	2	2	2	2	2	2	2	2	2	3	3	3	3	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	7	5	2	3	8	14	3	1	5	41	12	15	1	11	18	12	5	5	84	16	33	13	15	7	8
MIN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	2	3	3	3	1	1	3	1

  

DAY	26	27	28	29	30	31
MAX	11	10	19	9	7	***
MIN	2	2	1	1	1	***

MONTHLY AVERAGE = 3.7    MONTHLY MAXIMUM = 84.3    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 96.7%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 6/ 1/1993 TO : 6/30/1993

NITROGEN DIOXIDE (PPB)  
JUNE - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	7	6	4	5	11	19	13	12	11	5	4	3	5	3	2	3	3	4	4	6	4	3	6	4	6
2	5	6	4	8	12	15	10	8	6	4	4	4	4	4	3	3	3	3	2	3	4	5	4	2	5
3	2	2	3	3	7	10	8	6	7	5	3	5	5	3	4	4	5	4	3	4	7	3	2	3	5
4	3	1	3	4	4	5	5	4	7	8	5	3	3	3	3	3	3	6	6	7	12	11	13	6	5
5	5	5	5	8	9	11	11	12	14	16	11	9	6	4	3	5	10	9	9	14	17	20	30	58	13
6	66	50	34	39	40	32	22	10	9	8	5	5	5	5	5	5	5	6	7	7	6	9	11	11	17
7	4	4	4	5	5	8	6	8	9	4	CAL	CAL	CAL	2	2	3	3	6	4	8	7	9	6	2	5
8	3	3	6	5	11	7	14	CAL	CAL	CAL	CAL	4	5	4	CAL	3	4	3	3	4	4	3	4	4	5
9	10	19	13	15	18	17	17	19	14	5	3	2	3	7	5	6	5	6	7	6	10	17	22	30	12
10	36	29	39	30	25	29	35	38	25	15	8	5	5	CAL	CAL	CAL	CAL	3	3	5	6	6	6	5	18
11	3	3	4	5	10	16	30	33	CAL	CAL	8	4	4	5	4	3	3	4	8	8	10	15	35	22	11
12	45	52	34	23	23	18	18	17	14	9	5	3	2	2	2	3	4	4	8	15	7	7	5	9	14
13	9	9	7	5	5	5	4	4	2	1	1	1	1	1	1	2	2	2	2	3	7	4	4	4	4
14	7	11	27	24	23	34	20	14	13	12	CAL	CAL	CAL	CAL	CAL	CAL	4	5	4	4	5	11	10	9	13
15	8	7	18	31	27	22	19	15	39	16	6	5	14	11	5	4	4	4	6	9	5	9	9	9	13
16	12	8	10	16	25	31	35	31	28	17	7	6	5	5	3	3	3	3	3	7	6	4	4	3	11
17	3	3	3	2	4	4	5	4	4	4	4	4	4	4	4	7	11	8	6	3	3	3	3	3	4
18	3	2	1	1	2	3	2	1	4	3	4	4	4	4	4	5	6	8	10	10	13	11	11	9	5
19	22	34	34	30	19	12	11	11	9	7	6	4	2	2	3	3	3	3	3	6	19	15	22	15	12
20	24	23	21	13	10	10	13	21	19	17	5	3	3	2	2	2	1	9	9	8	7	6	6	5	10
21	8	8	7	6	8	20	27	40	19	20	16	10	12	4	6	7	5	4	5	12	8	12	17	15	12
22	23	16	28	26	15	20	19	21	19	12	5	5	4	3	4	3	4	5	6	6	5	7	8	19	12
23	23	21	16	15	15	23	17	11	6	7	7	5	5	CAL	CAL	3	4	5	6	7	5	4	3	3	10
24	3	4	2	5	7	11	9	8	5	3	4	5	6	7	6	5	4	4	4	5	10	4	9	13	6
25	13	9	11	12	18	12	8	4	4	3	5	8	6	3	CAL	CAL	3	3	6	9	9	9	12	44	15
26	12	32	33	19	15	14	16	20	23	16	3	2	2	3	2	3	3	6	9	9	9	12	44	56	15
27	53	24	11	22	30	14	12	13	17	13	5	3	2	3	4	4	3	3	4	6	11	19	16	20	13
28	24	20	15	12	27	29	28	22	28	30	9	6	3	3	4	6	8	10	18	24	45	55	37	20	20
29	15	17	21	17	18	18	18	16	10	9	8	6	4	3	3	3	3	3	3	4	3	4	3	4	9
30	6	9	14	10	10	16	10	10	8	6	5	5	4	4	4	3	3	4	4	5	6	5	4	6	7
HOURLY MEAN	15	15	14	14	15	16	16	15	13	10	6	5	5	4	4	4	4	5	6	7	9	10	12	13	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	19	15	10	13	58	66	9	14	30	39	35	52	9	34	39	35	11	13	34	24	40	28	23	13	18
MIN	2	2	2	1	3	5	2	3	2	3	3	2	1	4	4	3	2	1	2	1	4	3	3	2	3

  

DAY	26	27	28	29	30	31
MAX	56	53	55	21	16	***
MIN	2	2	3	3	3	***

MONTHLY AVERAGE = 9.9    MONTHLY MAXIMUM = 65.6    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 96.7%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 6/ 1/1993 TO : 6/30/1993

NITROGEN OXIDES (PPB)  
JUNE - 1993

DAY	HOUR																								DAILY
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	9	7	5	5	12	26	21	18	16	8	6	5	7	6	5	5	6	7	7	9	6	5	8	6	9
2	7	7	6	9	14	20	14	11	9	6	5	6	6	6	5	4	5	4	3	4	5	6	5	3	7
3	3	3	4	4	7	12	11	9	8	7	5	8	7	5	5	5	6	5	3	4	7	4	3	4	6
4	3	3	3	4	4	6	5	5	8	12	7	5	4	4	4	4	4	7	6	7	13	13	15	7	6
5	6	6	6	10	11	14	16	19	22	24	15	12	8	5	5	7	12	12	11	16	19	21	32	60	15
6	80	55	35	41	44	40	27	12	11	11	7	7	6	6	7	7	7	8	9	9	8	11	13	12	20
7	5	5	5	5	6	8	8	10	12	7	CAL	CAL	CAL	2	1	1	2	7	5	6	5	7	4	1	5
8	1	1	5	2	6	3	15	CAL	CAL	CAL	CAL	1	2	1	CAL	1	1	1	1	2	1	1	1	1	3
9	8	17	12	14	17	18	21	24	14	1	1	1	1	6	5	6	5	6	6	5	9	16	22	30	11
10	36	31	43	30	24	42	77	70	34	18	8	4	4	CAL	CAL	CAL	CAL	1	1	1	1	1	1	1	21
11	1	1	1	1	5	11	38	45	CAL	CAL	3	1	1	1	1	1	1	1	3	3	6	11	31	18	8
12	41	67	31	19	20	18	20	19	15	8	2	1	1	1	1	1	1	1	3	10	2	3	1	6	12
13	5	5	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2
14	4	7	23	20	21	45	26	15	15	12	CAL	CAL	CAL	CAL	CAL	CAL	6	7	7	7	9	15	15	13	15
15	12	11	22	36	32	30	30	24	58	23	10	9	18	15	8	7	8	7	9	12	9	13	13	13	18
16	16	13	14	20	30	38	47	43	39	23	12	10	10	9	8	7	8	7	7	11	10	8	8	7	17
17	6	6	6	6	8	9	9	8	9	8	9	9	8	8	8	11	15	13	10	7	7	8	8	7	9
18	7	6	6	5	6	6	7	6	8	9	6	7	8	9	9	9	11	13	15	15	18	15	16	15	10
19	33	99	119	59	25	20	19	20	16	13	11	8	6	6	6	7	7	7	7	10	23	20	27	21	25
20	30	29	27	18	16	18	23	37	32	26	9	7	7	6	6	5	6	14	14	12	12	11	11	11	16
21	14	14	12	11	13	29	48	74	29	30	22	15	16	7	10	11	9	9	9	17	13	17	22	20	20
22	29	21	35	32	21	30	31	34	30	19	10	7	6	6	7	7	7	9	11	11	10	12	14	26	18
23	29	28	22	21	22	38	32	20	12	13	13	10	10	CAL	CAL	6	7	9	10	11	9	8	7	7	16
24	7	8	7	9	12	16	16	15	11	9	9	10	11	12	11	9	8	8	8	9	15	8	14	18	11
25	18	14	17	18	25	20	17	10	9	9	10	13	11	6	CAL	CAL	5	5	6	7	8	10	10	11	12
26	17	39	39	24	21	22	25	30	34	23	6	5	6	6	6	6	6	10	13	12	12	15	50	67	21
27	64	29	17	28	36	20	22	22	27	20	9	6	6	5	6	6	6	6	7	9	14	23	20	24	18
28	29	24	20	16	44	46	48	36	43	42	13	9	4	5	7	10	9	12	21	26	52	74	44	23	27
29	19	21	25	22	23	25	27	25	15	13	11	8	6	5	5	4	5	5	6	6	6	8	7	8	13
30	10	14	19	15	15	23	17	17	13	10	8	6	6	6	6	6	5	6	7	7	8	9	8	10	11
HOURLY																									
MEAN	18	20	20	17	18	22	24	23	20	14	8	7	7	6	6	6	6	7	7	9	11	12	14	15	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	26	20	12	15	60	80	12	15	30	77	45	67	5	45	58	47	15	18	119	37	74	35	38	18	25
MIN	5	3	3	3	5	6	1	1	1	1	1	1	1	4	7	7	6	5	6	5	7	6	6	7	5
DAY	26	27	28	29	30	31																			
MAX	67	64	74	27	23	***																			
MIN	5	5	4	4	5	***																			

MONTHLY AVERAGE = 13.3    MONTHLY MAXIMUM = 118.7    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 96.7%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 7/ 1/1993 TO : 7/31/1993

10M WIND SPEED (MPH)  
JULY - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	7.4	5.9	5.5	6.8	4.4	3.6	4.6	4.8	4.1	3.8	4.1	6.6	6.0	4.5	4.8	7.7	9.2	7.3	11.9	18.2	9.1	7.9	8.4	6.7	6.8
2	4.7	4.3	3.3	1.9	3.3	6.4	6.2	4.8	3.6	4.0	6.3	8.7	11.7	14.9	15.2	18.5	23.2	23.6	23.0	17.6	21.2	17.1	13.0	12.7	11.2
3	7.2	12.0	8.6	11.8	10.1	9.0	15.0	18.2	14.7	13.9	9.6	12.0	10.6	18.8	18.0	19.3	23.4	35.7	26.1	19.0	14.3	15.6	12.5	9.1	15.2
4	6.4	4.4	6.5	5.1	8.0	9.9	9.2	7.7	21.3	25.2	24.0	18.0	20.8	26.7	28.3	30.7	28.3	30.3	26.8	13.0	10.8	8.1	3.8	2.3	15.6
5	4.6	11.2	7.2	5.9	7.6	8.1	9.0	12.1	13.1	10.5	9.1	8.3	13.3	16.9	21.1	19.3	24.1	25.4	23.8	20.8	11.6	9.9	8.4	10.4	13.0
6	6.0	2.2	3.6	5.6	5.6	6.7	10.9	10.1	10.2	7.0	7.5	9.0	10.1	7.3	9.2	10.1	9.6	6.1	9.3	8.0	15.3	12.4	11.3	9.5	8.4
7	8.2	6.5	4.9	4.6	4.5	3.1	4.0	3.2	5.8	7.1	10.7	12.7	12.3	11.0	7.8	5.7	4.4	4.4	2.1	2.6	4.8	5.2	3.4	6.0	6.1
8	7.6	7.5	8.4	7.3	7.2	5.2	6.8	5.4	6.7	5.2	6.4	4.8	18.2	19.2	17.2	23.4	8.1	18.3	24.7	12.6	11.2	9.9	2.8	4.3	10.4
9	5.2	9.0	9.8	9.1	11.0	9.9	10.9	14.3	14.5	10.8	7.3	5.9	4.2	4.9	6.3	7.9	10.0	16.1	19.0	14.0	12.1	6.8	7.4	17.0	10.2
10	23.7	22.7	17.3	9.4	7.8	8.8	7.5	12.9	9.9	10.4	7.4	8.5	7.0	6.2	15.7	12.8	11.0	13.6	8.5	8.1	14.6	16.8	10.7	8.4	11.6
11	4.4	12.7	12.8	9.8	7.9	9.5	8.1	8.3	7.2	7.8	8.0	5.9	8.0	10.3	16.8	17.0	8.0	14.1	13.0	10.7	10.7	12.2	9.7	3.9	9.9
12	4.4	5.8	4.1	3.5	4.4	5.2	9.2	13.2	14.1	12.5	9.4	19.8	11.9	17.1	14.8	15.0	17.2	13.2	10.6	5.5	5.4	11.0	10.8	4.7	10.1
13	4.0	3.7	4.0	5.6	8.1	4.1	4.8	9.8	10.4	11.3	10.8	8.5	7.8	14.1	14.9	15.2	19.5	15.4	8.6	5.3	4.1	2.8	5.5	8.5	8.6
14	9.8	11.0	13.0	9.6	7.1	5.7	6.2	10.7	11.7	15.1	12.7	13.6	15.1	17.0	12.6	10.8	7.5	6.3	15.1	12.3	13.4	20.0	20.0	18.8	12.3
15	10.9	4.0	6.0	2.7	4.7	3.3	4.0	3.4	3.5	5.3	5.4	7.0	11.1	10.6	12.6	11.2	10.7	11.6	14.7	10.4	6.7	11.5	12.1	12.1	8.1
16	8.3	4.3	6.7	2.1	4.9	7.4	6.1	3.1	2.7	6.4	9.2	10.9	10.4	11.9	10.6	10.2	12.2	13.0	6.3	7.9	11.3	8.1	5.1	7.8	7.8
17	9.6	9.4	6.6	9.8	13.1	14.0	11.8	13.4	12.1	12.1	9.1	6.0	8.0	7.1	4.6	8.8	9.2	3.4	6.1	7.2	8.8	14.4	13.2	9.5	9.5
18	8.1	5.8	2.0	2.8	5.6	3.5	3.5	3.0	3.1	3.4	4.9	6.2	7.9	7.1	8.4	7.3	8.5	9.6	6.2	6.2	6.3	6.1	11.5	9.6	6.1
19	12.6	7.5	10.3	9.3	8.4	5.7	8.5	10.0	6.3	4.9	5.0	5.0	4.9	5.0	4.9	9.2	8.3	11.9	12.1	10.9	8.8	10.5	6.8	15.0	8.4
20	7.9	4.9	4.7	1.5	3.6	5.0	5.0	3.4	4.1	6.6	7.7	9.1	15.4	13.8	8.8	20.0	17.8	22.7	15.1	12.9	15.1	10.7	16.8	16.0	10.4
21	14.5	14.5	16.8	11.9	7.3	2.5	3.3	2.3	2.9	3.2	3.4	6.1	6.8	6.6	19.1	21.6	15.6	10.5	8.9	12.6	12.4	12.0	7.9	5.1	9.5
22	5.2	5.6	3.4	2.0	3.8	4.5	5.8	6.4	5.6	6.0	8.2	11.0	10.7	12.3	14.4	16.5	17.2	12.8	12.8	6.9	6.8	4.9	6.0	7.6	8.2
23	8.8	10.5	4.8	5.5	4.4	5.8	7.3	8.5	7.2	9.2	8.9	8.5	7.8	10.9	17.9	17.8	15.8	13.0	8.6	8.3	8.5	19.7	14.9	7.3	10.0
24	5.0	2.7	3.4	4.6	5.7	4.8	5.5	3.8	7.8	5.1	6.5	11.7	18.8	18.9	21.8	22.9	21.7	20.7	12.7	8.5	10.0	9.5	10.0	10.7	10.5
25	9.8	5.5	7.7	11.4	9.6	9.6	7.6	5.5	4.7	3.8	4.7	5.3	5.3	4.8	10.2	12.8	12.7	10.1	9.9	12.2	13.9	17.1	17.0	14.1	9.4
26	10.2	8.9	7.5	6.8	5.4	3.6	6.9	6.2	5.3	5.4	4.7	9.2	13.7	18.7	18.9	23.7	23.7	23.5	26.2	13.6	4.3	8.4	9.4	8.3	11.4
27	8.4	6.1	7.8	10.3	10.8	8.9	6.2	9.1	6.2	4.6	6.7	6.7	7.5	8.2	9.6	8.9	12.7	17.0	15.1	12.6	10.6	14.0	18.9	10.9	9.9
28	7.0	8.1	5.4	5.2	6.6	6.0	5.1	4.3	4.3	4.3	5.0	4.9	6.4	7.2	8.2	5.4	6.8	9.2	12.9	11.8	13.2	22.9	24.9	18.8	8.9
29	14.0	12.8	9.4	6.7	5.8	5.8	3.1	3.2	3.3	3.5	4.6	5.0	7.8	9.6	7.6	6.9	16.4	12.0	16.3	18.0	8.6	5.4	4.6	5.5	8.2
30	7.1	10.3	6.8	4.6	3.8	4.9	2.2	3.1	4.5	3.9	4.4	7.2	8.3	13.3	14.2	11.5	13.1	11.1	9.2	8.9	9.8	8.6	11.2	9.8	8.0
31	8.7	7.9	8.6	9.5	9.2	5.2	8.8	8.0	6.9	4.1	8.7	5.2	7.5	6.6	5.1	7.3	3.2	2.4	2.2	6.2	7.8	12.7	11.2	8.6	7.2
HOURLY MEAN	8.4	8.0	7.3	6.5	6.8	6.3	6.9	7.5	7.7	7.6	7.8	8.6	10.2	11.7	12.9	14.0	13.8	14.3	13.5	11.1	10.4	11.4	10.6	9.6	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	18.2	23.6	35.7	30.7	25.4	15.3	12.7	24.7	19.0	23.7	17.0	19.8	19.5	20.0	14.7	13.0	14.4	11.5	15.0	22.7	21.6	17.2	19.7	22.9	17.1
MIN	3.6	1.9	7.2	2.3	4.6	2.2	2.1	2.8	4.2	6.2	3.9	3.5	2.8	5.7	2.7	2.1	3.4	2.0	4.9	1.5	2.3	2.0	4.4	2.7	3.8
DAY	26	27	28	29	30	31																			
MAX	26.2	18.9	24.9	18.0	14.2	12.7																			
MIN	3.6	4.6	4.3	3.1	2.2	2.2																			

MONTHLY AVERAGE = 9.7    MONTHLY MAXIMUM = 35.7    MONTHLY MINIMUM = 1.5  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 7/ 1/1993 TO : 7/31/1993

WIND DIRECTION (DEGREES)  
JULY - 1993

DAY	HOUR																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	159	193	215	150	358	326	298	294	285	314	20	41	80	111	89	32	23	53	91	91	68	337	351	40
2	38	334	354	246	188	208	219	252	319	87	137	136	155	164	174	164	164	171	183	179	179	174	200	180
3	197	207	168	155	142	143	175	180	183	223	326	34	263	29	24	312	311	281	262	244	256	272	282	271
4	301	351	342	67	119	127	137	187	271	305	310	316	311	293	302	312	307	297	284	300	279	289	297	212
5	5	302	319	81	150	152	170	258	288	304	318	286	313	295	292	287	291	280	286	298	306	320	100	137
6	139	232	157	178	174	187	203	191	178	138	116	115	131	138	75	47	46	40	36	51	26	346	12	339
7	325	317	304	333	31	96	185	178	210	171	154	151	153	168	154	155	169	233	220	289	287	214	275	242
8	184	60	72	269	337	2	43	113	148	88	83	196	344	309	292	299	262	284	293	1	92	62	348	107
9	101	100	119	130	150	169	166	148	152	175	175	186	101	161	193	350	33	30	35	93	129	174	149	160
10	178	194	196	218	201	204	220	209	215	194	243	353	310	249	344	352	351	17	15	337	333	31	9	30
11	41	19	30	21	16	43	53	71	83	112	113	93	58	48	338	339	81	151	191	214	198	199	231	356
12	249	270	248	292	243	150	194	200	213	200	239	352	313	52	129	173	181	267	31	126	148	344	3	279
13	188	178	252	289	1	314	44	42	56	67	52	34	55	83	55	48	17	39	41	11	66	19	13	51
14	56	79	93	112	117	122	128	133	161	172	161	232	320	311	324	330	305	312	181	173	171	192	192	196
15	214	274	288	335	207	244	303	320	326	341	355	38	21	10	19	95	98	137	152	198	170	185	192	185
16	211	236	299	233	208	206	210	203	151	66	72	62	64	50	62	75	14	320	325	32	90	139	233	354
17	21	18	325	332	354	13	15	8	353	342	345	340	2	18	9	97	127	25	48	71	98	102	108	120
18	145	186	227	249	59	208	234	267	214	160	86	71	75	89	96	87	60	89	151	174	155	250	165	291
19	341	268	316	341	334	327	330	345	342	316	208	169	334	5	97	151	166	141	126	128	119	112	95	73
20	91	111	142	109	237	250	290	345	28	2	1	11	331	282	229	184	176	206	197	198	212	190	177	183
21	207	219	208	197	198	302	268	261	285	312	202	160	172	146	338	352	308	47	44	108	98	141	211	163
22	127	249	359	248	220	189	201	218	203	179	157	125	122	101	124	131	103	71	29	32	122	169	217	295
23	346	345	344	258	187	141	175	194	176	162	129	139	115	111	81	78	16	23	37	62	11	9	7	359
24	334	325	240	238	92	111	137	139	305	319	348	324	311	313	325	313	317	326	343	36	56	115	160	156
25	149	157	131	119	150	171	192	241	287	264	193	162	196	146	134	106	92	92	90	144	153	101	122	119
26	156	217	217	271	296	301	312	325	327	350	18	22	8	9	11	18	28	29	24	33	115	138	140	162
27	159	174	183	180	182	189	169	130	109	138	330	330	345	6	92	75	98	90	88	86	82	86	101	142
28	165	258	245	222	240	219	200	240	184	183	185	102	101	82	116	88	108	122	138	147	152	166	189	187
29	185	195	182	198	282	278	289	267	285	209	131	147	62	67	22	106	163	169	179	208	198	219	196	163
30	178	204	208	250	104	239	231	51	77	149	77	32	33	351	326	287	272	297	168	185	184	196	212	204
31	202	196	199	199	205	199	206	218	215	353	32	40	337	22	274	69	127	145	181	222	109	94	107	24

TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744 VALID DATA RECOVERY RATE = 100.0% OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 7/ 1/1993 TO : 7/31/1993

SIGMA THETA (DEGREES)  
JULY - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	8	13	31	14	25	26	18	24	30	42	35	29	44	73	66	51	24	28	17	6	47	12	15	12	29
2	69	33	24	26	16	6	10	30	38	45	23	27	26	16	16	15	9	7	8	8	9	14	8	5	20
3	19	6	28	10	9	17	4	4	17	32	58	22	54	70	24	20	15	14	8	9	12	6	7	8	20
4	38	13	14	19	27	5	9	21	24	7	7	20	19	6	9	5	6	6	6	16	13	22	40	71	18
5	25	43	60	16	9	9	10	35	17	23	25	30	23	17	12	14	10	8	6	8	8	44	22	19	21
6	43	46	26	16	17	11	8	8	9	38	26	29	27	39	39	25	22	28	10	13	11	16	15	8	22
7	13	10	18	9	32	42	22	33	19	19	22	20	21	22	30	55	41	28	44	53	29	39	40	22	29
8	35	27	46	40	13	17	32	23	20	37	47	65	20	29	26	13	11	12	11	28	10	38	62	24	29
9	13	8	8	8	4	7	9	11	14	14	29	44	50	29	30	34	21	10	22	14	10	39	20	9	19
10	7	4	7	6	8	6	29	9	13	13	55	31	43	57	19	37	48	10	10	14	32	20	20	21	22
11	25	16	6	14	13	9	12	9	15	15	11	29	27	43	13	13	53	11	23	9	7	5	44	47	20
12	29	12	10	18	26	38	9	7	9	12	54	18	48	43	26	14	12	59	13	31	16	16	14	32	24
13	22	32	47	60	9	30	29	13	16	17	19	31	32	17	13	11	17	15	33	67	30	61	14	9	27
14	10	6	7	7	11	21	10	11	16	11	12	67	13	24	11	18	15	59	19	15	17	4	4	5	16
15	42	36	18	64	44	34	13	23	28	18	26	30	18	21	18	58	14	22	13	44	49	8	6	4	27
16	26	20	12	49	10	6	11	35	42	18	16	18	20	20	23	18	27	11	16	23	8	32	25	19	21
17	11	6	22	13	11	5	6	14	12	6	5	9	16	13	23	20	11	50	15	14	5	6	6	10	13
18	9	30	20	64	37	39	16	44	59	42	35	37	37	30	41	25	28	49	11	6	35	48	20	31	33
19	16	25	13	5	7	10	10	16	16	36	63	60	27	31	64	35	16	15	10	12	14	11	29	8	23
20	20	15	18	75	37	20	19	43	41	24	24	21	13	24	23	23	20	18	21	21	4	14	5	5	23
21	10	4	9	5	46	61	44	62	41	61	40	30	64	45	13	12	64	26	34	12	19	32	29	40	34
22	39	73	23	56	16	21	10	11	25	21	22	13	12	13	13	14	14	14	22	23	49	32	21	59	26
23	17	5	25	8	39	8	12	10	18	15	18	27	26	31	13	15	11	6	10	13	31	9	12	34	17
24	8	27	16	19	14	14	10	54	12	45	17	25	13	15	24	10	11	8	13	17	16	31	3	3	18
25	7	24	6	8	17	14	9	24	29	36	39	47	45	53	36	16	13	10	5	17	34	9	4	3	21
26	33	17	20	9	26	20	9	12	20	27	29	20	17	14	14	10	6	7	4	9	48	13	6	7	17
27	4	6	6	5	4	6	15	14	32	56	70	60	38	49	31	26	18	10	5	6	3	5	9	16	21
28	24	21	19	11	17	21	22	21	21	35	41	49	39	40	23	58	34	15	7	3	4	10	11	4	23
29	6	5	9	33	16	9	28	30	24	64	41	47	56	30	39	58	9	8	23	5	18	15	19	4	25
30	11	4	15	66	51	12	26	43	38	59	67	40	39	19	14	16	40	17	14	9	6	11	4	6	26
31	6	3	5	3	4	10	8	10	13	59	25	45	41	51	45	43	37	55	76	21	15	10	21	58	28
HOURLY MEAN	21	19	19	24	20	18	15	23	23	31	32	33	31	32	25	25	22	21	17	18	20	20	18	19	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	73	69	70	71	60	46	55	65	50	57	53	59	67	67	64	49	50	64	64	75	64	73	39	54	53
MIN	6	5	4	5	6	8	9	10	4	4	5	7	9	4	4	6	5	6	5	4	4	10	5	3	3

  

DAY	26	27	28	29	30	31
MAX	48	70	58	64	67	76
MIN	4	3	3	4	4	3

MONTHLY AVERAGE = 22.8    MONTHLY MAXIMUM = 76.3    MONTHLY MINIMUM = 2.5  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 7/ 1/1993 TO : 7/31/1993

TEMPERATURE (DEGREES F)  
JULY - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	63.1	63.6	63.2	61.4	60.0	60.8	61.9	65.0	69.7	74.2	78.1	80.8	85.0	87.2	89.0	89.2	89.5	87.6	82.9	75.2	71.3	68.5	67.3	66.1	73.4
2	63.8	63.7	62.3	61.6	60.9	62.2	65.7	70.6	75.1	77.8	80.7	84.3	88.0	91.0	91.7	92.4	92.3	90.8	89.0	86.6	83.9	80.8	78.2	77.0	77.9
3	72.3	72.1	72.7	68.7	69.6	71.2	75.2	80.7	85.0	88.1	88.6	86.6	86.9	85.7	81.4	78.5	73.5	69.1	68.6	67.5	67.6	67.6	66.3	63.1	75.3
4	61.3	59.8	59.4	56.2	51.6	52.9	58.7	63.5	66.1	66.1	68.1	67.4	70.1	70.0	66.8	63.6	64.1	62.1	59.7	57.3	58.6	60.6	59.5	59.6	61.8
5	60.3	59.5	56.3	53.1	51.2	51.6	56.4	61.7	64.8	66.8	67.8	69.4	70.8	72.9	74.5	75.6	76.1	76.0	74.3	71.8	69.5	67.7	59.4	56.7	65.2
6	54.9	56.3	57.6	57.8	53.9	53.3	57.4	61.7	66.6	71.6	74.7	77.2	79.5	82.3	83.1	83.3	82.9	83.2	81.0	76.3	73.6	69.9	64.5	59.5	69.3
7	57.3	55.9	55.2	54.4	53.5	54.5	57.5	60.9	64.1	68.3	73.2	76.5	79.4	82.0	83.7	86.7	87.9	87.7	85.4	82.8	79.8	76.9	74.9	74.1	71.4
8	71.3	67.1	61.3	59.1	59.9	60.2	62.4	66.3	72.4	78.6	82.7	86.6	81.9	75.6	80.1	75.9	76.2	80.2	72.9	70.7	68.2	66.0	63.9	63.6	71.0
9	63.0	62.5	61.3	60.2	58.4	61.2	63.7	66.2	69.6	72.8	76.7	81.1	84.1	85.6	86.0	86.2	86.6	83.1	77.8	73.8	69.7	67.1	64.8	66.5	72.0
10	67.6	66.6	65.8	64.3	62.2	62.3	66.3	72.7	79.2	84.7	88.8	89.9	91.1	92.2	90.6	88.5	89.3	87.7	85.3	80.8	77.7	71.3	68.1	65.7	77.4
11	63.8	62.5	61.3	60.2	59.6	56.9	56.0	56.0	56.5	57.3	60.9	67.0	71.4	74.2	67.7	63.9	68.3	70.7	69.9	67.6	66.9	66.4	64.0	57.0	63.6
12	56.8	57.1	57.5	57.1	56.2	57.0	60.0	69.1	75.9	81.0	85.3	71.9	69.8	75.4	81.4	82.6	81.9	81.3	77.2	74.5	73.4	67.0	65.7	63.5	69.9
13	64.7	65.6	62.9	60.8	57.6	57.5	60.4	63.1	65.6	67.7	69.5	71.9	73.3	72.8	74.0	73.4	66.6	64.6	64.0	60.1	59.9	59.7	59.1	58.8	64.7
14	57.4	57.1	56.5	56.7	56.5	57.4	60.4	63.7	68.2	72.6	76.4	77.9	74.6	69.8	71.0	73.2	72.6	71.5	72.4	71.7	69.5	68.4	68.7	68.1	67.2
15	67.3	64.9	61.6	58.2	58.2	59.1	61.2	62.5	65.8	69.9	74.3	79.4	82.5	86.7	87.7	78.8	79.5	82.3	81.2	79.7	76.8	73.7	71.6	71.0	72.2
16	69.7	68.7	64.3	61.1	61.3	62.1	65.5	71.0	76.7	80.1	82.6	84.8	85.8	87.0	87.2	86.7	84.8	80.6	78.4	74.3	71.0	69.7	70.6	68.3	74.7
17	65.2	63.4	61.6	61.1	61.2	60.3	60.5	58.9	58.7	58.4	58.3	59.1	59.0	59.8	62.2	63.5	63.8	64.5	64.4	62.3	60.5	59.7	60.2	59.9	61.1
18	60.2	60.3	59.8	59.3	57.7	58.0	59.2	64.5	68.9	72.4	77.1	81.4	84.1	85.7	86.4	87.0	86.9	85.1	81.3	78.9	74.8	74.4	72.1	70.2	72.7
19	65.2	62.5	61.5	59.5	57.8	58.0	59.1	61.1	64.5	67.5	70.6	73.6	73.4	73.9	75.9	78.7	79.2	76.8	73.1	68.5	65.8	64.0	64.7	59.8	67.3
20	58.1	58.4	58.4	58.5	58.5	59.6	61.2	63.0	64.9	67.4	70.7	74.8	76.1	76.5	75.4	75.1	75.5	71.6	70.1	69.5	66.4	66.3	67.2	67.2	67.1
21	64.4	63.5	64.0	63.8	62.1	63.0	65.3	68.6	73.7	77.9	83.1	86.3	88.7	88.7	83.6	82.4	76.9	77.7	72.2	68.6	65.3	63.6	64.1	63.5	72.1
22	62.0	58.9	56.3	55.4	56.0	57.7	60.1	63.4	67.8	71.6	75.0	76.9	79.4	80.9	83.8	85.0	83.4	81.9	76.1	71.5	68.6	67.5	68.5	67.0	69.8
23	61.8	58.3	57.2	57.8	59.7	61.0	61.9	65.5	68.7	69.7	70.7	75.3	78.5	81.7	80.4	77.6	75.7	72.4	71.1	67.7	64.2	60.8	57.8	57.6	67.2
24	58.4	58.7	58.6	58.1	54.9	54.0	57.1	61.4	61.1	61.2	65.0	72.4	75.8	77.6	78.9	79.6	78.9	78.1	76.5	71.8	70.5	66.2	62.6	60.7	66.6
25	58.8	58.6	59.5	57.9	56.7	59.4	60.1	62.8	68.4	73.5	78.6	81.4	83.4	84.7	85.5	84.3	85.0	84.9	82.3	79.5	74.5	69.5	68.7	65.8	71.8
26	64.8	63.0	63.0	62.3	63.6	62.0	60.3	61.7	65.0	68.4	72.9	76.7	81.3	85.8	88.8	87.3	84.6	82.9	76.2	71.5	68.4	66.0	63.8	62.5	71.0
27	61.3	60.5	59.8	58.9	58.0	58.3	60.9	65.0	69.4	73.8	77.1	79.1	80.8	82.0	82.4	82.6	82.6	80.9	78.2	74.4	71.6	70.3	68.3	65.1	70.9
28	63.7	58.4	57.5	58.5	59.5	58.8	61.9	66.5	70.2	74.6	78.6	83.3	86.2	88.1	89.3	90.5	90.2	88.6	85.8	81.2	78.2	76.9	75.0	74.5	74.8
29	73.5	73.5	71.2	68.9	66.7	65.3	67.4	72.1	76.6	82.2	86.1	90.5	92.7	93.7	94.0	94.2	90.7	89.9	87.8	82.6	82.1	81.9	78.5	75.3	80.7
30	73.0	73.0	71.3	69.7	68.9	67.8	72.5	77.6	80.7	84.5	86.6	87.5	88.1	86.2	82.6	78.8	76.1	70.6	73.1	72.8	71.5	71.1	70.7	68.8	76.0
31	67.7	67.6	67.5	66.9	65.7	65.9	69.2	75.1	79.9	86.7	89.0	90.9	91.7	91.9	94.1	93.3	93.1	93.2	90.0	88.8	85.0	81.8	77.8	77.0	81.2
HOURLY																									
MEAN	63.6	62.6	61.5	60.2	59.3	59.6	62.1	65.9	69.7	73.1	76.4	78.8	80.4	81.5	81.9	81.2	80.5	79.3	76.7	73.6	71.1	69.1	67.3	65.6	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
MAX	89.5	92.4	88.6	70.1	76.1	83.3	87.9	86.6	86.6	92.2	74.2	85.3	74.0	77.9	87.7	87.2	65.2	87.0	79.2	76.5	88.7	85.0	81.7	79.6	85.5		
MIN	60.0	60.9	63.1	51.6	51.2	53.3	53.5	59.1	58.4	62.2	56.0	56.2	57.5	56.5	58.2	61.1	58.3	57.7	57.8	58.1	62.1	55.4	57.2	54.0	56.7		
DAY							26	27	28	29	30	31															
MAX							88.8	82.6	90.5	94.2	88.1	94.1															
MIN							60.3	58.0	57.5	65.3	67.8	65.7															

MONTHLY AVERAGE = 70.9    MONTHLY MAXIMUM = 94.2    MONTHLY MINIMUM = 51.2  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 7/ 1/1993 TO : 7/31/1993

BAROMETRIC PRESSURE (INCHES)  
JULY - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7
2	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.5	24.5	24.5	24.5	24.4	24.5	24.5	24.5	24.5	24.5
3	24.5	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.4	24.4	24.4	24.5	24.5	24.5	24.5	24.5	24.4
4	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.5
5	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.6
6	24.7	24.7	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.5	24.5	24.6	24.6	24.6	24.6	24.7
7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6
8	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.8
9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
10	24.8	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.7
11	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9
12	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7
13	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
14	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
15	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
16	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
17	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
18	24.8	24.9	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
19	24.9	24.9	24.9	24.9	24.9	24.9	25.0	25.0	25.0	25.0	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9
20	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
21	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7
22	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
23	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7
24	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
25	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
26	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.8	24.7
27	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.8
28	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9
29	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
30	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.0	25.0	25.0	25.0	25.0	24.9
31	24.9	24.9	24.9	24.9	24.9	24.9	25.0	25.0	25.0	24.9	25.0	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
HOURLY																									
MEAN	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	24.7	24.7	24.5	24.6	24.7	24.8	24.8	24.8	24.8	24.8	24.9	24.8	24.9	24.9	24.8	24.7	24.9	24.9	25.0	24.9	24.7	24.8	24.8	24.8	24.9
MIN	24.6	24.4	24.3	24.5	24.6	24.5	24.5	24.5	24.7	24.7	24.8	24.6	24.7	24.7	24.6	24.7	24.7	24.8	24.8	24.8	24.6	24.7	24.6	24.7	24.8
DAY	26	27	28	29	30	31																			
MAX	24.8	24.9	24.9	24.9	25.0	25.0																			
MIN	24.6	24.8	24.8	24.8	24.9	24.9																			

MONTHLY AVERAGE = 24.7    MONTHLY MAXIMUM = 25.0    MONTHLY MINIMUM = 24.3  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE



ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 7/ 1/1993 TO : 7/31/1993

PRECIPITATION (.01 INCHES)  
JULY - 1993

DAY	HOUR																								DAILY
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOTAL
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
12	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	12	0	0	0	0	13
14	0	0	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	11
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	15
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	0	0	1	0	0	0	6
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
22	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	5
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MONTHLY TOTAL (INCHES)= .60 MONTHLY MAXIMUM (INCHES)= .15  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744 VALID DATA RECOVERY RATE = 100.0% OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 1 FROM : 7/ 1/1993 TO : 7/31/1993

RELATIVE HUMIDITY (PERCENT)  
JULY - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	74.2	81.0	75.9	75.5	83.1	81.6	82.9	81.1	71.7	58.2	49.8	42.1	25.4	19.9	17.0	15.4	14.9	15.8	28.0	55.6	62.6	72.7	72.9	76.8	55.6
2	83.5	85.2	89.0	91.7	91.5	91.0	79.9	62.8	46.4	43.4	39.3	34.2	25.3	15.0	12.2	12.7	11.9	12.5	13.7	15.5	18.1	28.1	32.9	36.2	44.7
3	42.2	42.8	40.6	38.6	34.3	28.4	21.2	15.9	12.7	10.3	10.1	10.6	10.6	14.9	19.5	20.4	22.2	23.8	19.8	19.2	19.4	19.6	20.4	22.8	22.5
4	24.9	28.0	28.8	30.5	36.4	40.3	35.1	29.4	26.2	27.9	25.8	27.2	25.6	24.7	28.4	33.3	33.3	34.8	43.0	60.1	54.9	46.9	45.3	44.8	34.8
5	44.1	42.4	46.2	56.0	61.0	64.8	57.7	41.6	32.5	26.5	23.7	22.0	20.1	18.1	14.9	14.7	14.3	14.7	15.1	16.0	17.2	19.2	33.5	39.6	31.5
6	41.9	43.5	40.9	39.7	44.1	49.4	44.4	40.8	39.8	30.3	20.0	17.9	16.8	16.5	17.0	16.7	17.4	16.3	18.4	22.3	22.2	25.6	52.4	54.5	31.2
7	51.5	50.7	51.9	52.5	55.5	54.4	52.6	49.3	45.3	40.9	32.4	25.4	25.5	23.9	22.5	19.4	18.3	16.2	17.8	20.7	23.6	28.1	32.0	28.8	35.0
8	32.7	41.5	77.3	86.8	97.8	97.9	97.0	92.2	73.6	44.1	36.5	25.1	31.1	38.5	27.4	27.1	29.4	23.1	26.0	29.5	45.2	59.8	70.9	75.1	53.6
9	80.9	84.3	76.3	73.2	72.7	66.8	54.4	44.7	41.3	39.3	36.9	33.9	30.3	23.0	21.9	22.6	21.8	27.2	36.5	41.8	44.3	58.3	63.2	55.8	48.0
10	51.1	51.4	53.0	55.0	60.1	59.8	52.3	38.5	27.8	17.5	11.7	10.6	10.4	9.9	10.8	11.3	11.6	12.2	13.6	15.5	22.0	41.8	60.3	73.5	32.6
11	80.5	84.4	84.8	86.4	89.0	100.2	103.1	110.3	110.2	210.1	0.97.5	82.4	68.3	62.9	70.0	84.9	69.0	50.3	57.2	73.2	66.1	66.3	75.7	99.6	81.6
12	101.6	102.0	101.4	100.7	101.5	100.2	98.1	71.5	45.8	34.4	24.2	72.8	79.2	43.8	31.2	28.3	26.8	28.3	34.3	36.6	36.8	58.2	60.3	64.0	61.7
13	59.8	58.2	64.7	71.2	82.4	83.0	83.3	79.9	73.0	64.0	57.9	51.7	47.8	48.7	49.1	47.8	67.3	75.3	79.6	96.3	98.1	98.5	99.2	100.5	72.4
14	102.0	102.6	103.2	103.0	102.4	100.4	91.8	78.8	64.3	55.4	55.5	68.4	84.4	83.8	75.3	74.0	75.7	74.2	66.0	69.9	70.2	66.6	67.5	80.7	
15	70.6	74.5	91.1	100.2	101.5	99.8	97.3	97.4	92.9	83.3	71.3	60.1	52.0	38.3	31.9	42.8	45.8	42.3	38.3	34.0	35.7	38.2	40.4	42.5	63.4
16	50.3	54.3	78.7	95.5	96.1	93.9	87.0	71.6	52.3	42.1	33.5	25.0	19.0	15.5	16.3	15.9	18.2	23.9	27.5	37.4	62.1	64.3	63.4	69.7	50.6
17	81.1	86.1	90.8	89.5	88.1	90.0	88.4	89.2	91.5	96.9	99.0	100.7	100.6	101.0	98.1	94.5	93.4	92.0	92.1	94.6	98.2	100.4	100.6	100.6	94.1
18	100.5	100.8	101.2	101.6	102.5	102.7	102.6	101.1	75.7	59.5	42.2	25.0	12.0	10.6	10.4	10.3	10.4	11.4	17.0	19.9	25.0	29.1	30.6	38.4	51.7
19	63.2	71.3	71.9	75.4	84.6	92.7	96.1	93.1	85.8	74.8	62.1	52.8	52.0	51.7	46.6	36.3	30.0	34.8	39.5	53.5	67.2	70.7	78.0	91.5	65.7
20	96.3	95.7	95.6	96.0	96.3	95.4	92.4	87.1	82.0	78.7	71.4	66.9	64.4	63.2	63.3	46.8	34.9	43.2	51.1	53.7	59.1	61.6	58.2	56.4	71.2
21	60.4	64.9	60.5	57.9	60.6	58.5	57.7	54.8	45.2	39.1	30.9	18.9	11.1	10.7	15.2	16.4	21.8	27.2	39.6	46.9	66.5	79.3	85.9	88.9	46.6
22	95.4	97.9	102.4	102.8	102.0	100.3	99.2	88.7	67.1	57.1	47.1	33.1	24.1	21.4	20.1	19.3	20.7	23.7	36.1	41.8	46.5	53.7	52.0	55.8	58.7
23	70.3	82.3	84.4	83.4	76.1	70.6	69.1	61.5	52.7	49.0	44.8	39.0	34.8	34.2	36.3	38.0	40.1	48.0	55.6	64.8	75.9	84.2	85.7	87.3	61.2
24	85.7	85.3	84.2	86.8	92.7	97.5	95.3	84.7	81.2	84.5	73.4	42.4	23.5	19.2	17.0	15.6	15.3	15.3	14.9	16.3	18.1	34.9	45.5	52.3	53.4
25	59.5	62.9	64.8	66.3	68.4	68.4	60.5	54.7	46.9	42.9	35.3	21.1	18.4	17.8	17.6	20.0	20.4	20.3	21.3	23.6	34.4	54.6	57.8	60.5	42.4
26	64.8	73.2	71.9	65.5	63.2	64.0	72.8	75.9	72.9	66.6	58.6	51.5	43.1	39.6	35.1	39.8	47.6	47.9	36.5	37.9	39.4	40.5	41.6	42.6	53.9
27	43.6	45.5	46.5	47.5	48.5	49.3	45.7	41.2	38.2	31.8	20.3	14.8	13.1	12.1	13.0	13.3	14.4	17.7	21.0	25.5	28.2	30.0	33.8	39.9	30.6
28	44.2	50.8	53.1	53.6	52.6	52.3	50.6	46.0	41.2	39.1	34.6	22.8	15.6	11.0	10.1	10.3	10.4	12.2	16.7	21.5	29.8	41.6	46.3	40.5	33.6
29	40.2	38.4	37.9	39.3	44.7	52.0	52.3	49.8	44.4	37.4	24.4	16.2	11.8	10.1	9.2	9.1	11.9	12.5	13.0	17.7	18.6	18.2	20.0	25.1	27.3
30	30.7	35.2	37.5	39.8	42.1	47.0	41.6	34.8	30.0	25.6	22.6	20.2	18.4	20.1	24.2	32.6	37.4	61.8	57.3	55.5	57.1	57.0	54.5	56.6	39.1
31	56.3	55.3	55.5	55.4	55.3	56.1	51.4	40.2	33.2	19.9	11.7	10.4	10.0	9.6	9.3	9.2	9.4	9.4	10.2	10.6	11.7	14.0	21.1	21.9	27.0
HOURLY																									
MEAN	64.0	66.9	69.7	71.5	73.8	74.5	71.7	65.0	56.5	49.4	42.1	36.5	32.5	30.0	29.0	29.0	29.5	31.3	34.4	39.5	44.3	50.5	54.9	58.4	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	83.1	91.7	42.8	60.1	64.8	54.5	55.5	97.9	84.3	73.5	103.1	110.2	0100.5	103.2	210.1	5.96	110.1	0102.7	96.1	96.3	88.9	102.8	87.3	97.5	68.4
MIN	14.9	11.9	10.1	24.7	14.3	16.3	16.2	23.1	21.8	9.9	50.3	24.2	47.8	55.4	31.9	15.5	81.1	10.3	30.0	34.9	10.7	19.3	34.2	14.9	17.6
DAY 26 27 28 29 30 31																									
MAX 75.9 49.3 53.6 52.3 61.8 56.3																									
MIN 35.1 12.1 10.1 9.1 18.4 9.2																									

MONTHLY AVERAGE = 50.2    MONTHLY MAXIMUM = 103.2    MONTHLY MINIMUM = 9.1  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 1 FROM : 7/ 1/1993 TO : 7/31/1993

MAXIMUM WIND SPEED (MPH)  
JULY - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	10.7	7.0	8.3	13.9	7.7	8.7	9.8	9.0	8.9	9.1	11.4	14.2	14.4	14.9	14.6	17.5	16.7	18.4	33.5	24.0	19.8	11.6	10.7	7.5	13.4
2	8.7	6.3	5.6	4.4	6.8	8.4	8.9	8.3	10.9	19.1	14.9	18.9	22.3	27.1	26.4	35.7	37.9	36.1	40.3	25.6	33.2	28.8	17.9	15.9	19.5
3	10.9	19.4	14.2	13.9	17.4	13.4	21.6	23.5	22.9	17.6	16.5	22.1	24.2	36.6	32.6	27.7	39.7	53.2	43.7	31.7	24.0	24.1	20.9	14.0	24.4
4	9.8	7.6	11.4	9.7	15.5	16.9	15.2	18.0	37.0	36.8	32.5	26.6	35.8	36.1	42.5	44.3	38.0	44.4	40.7	23.2	19.0	18.5	11.9	7.4	25.0
5	9.8	23.9	14.3	8.6	11.1	11.8	13.7	22.9	21.7	17.9	19.3	31.0	25.3	29.5	32.3	33.1	32.9	35.3	32.2	24.5	18.2	19.0	19.2	15.0	21.8
6	11.1	5.3	8.1	9.8	12.0	12.8	15.8	15.9	15.6	14.9	15.7	18.1	23.0	19.5	19.9	17.9	15.7	12.4	13.7	12.5	19.7	16.6	15.6	16.0	14.9
7	14.2	8.9	7.8	7.1	5.2	5.3	8.2	8.4	12.2	15.9	19.1	25.8	22.4	20.6	17.1	13.7	12.3	7.3	4.4	8.7	9.4	11.1	7.5	11.5	11.8
8	11.7	14.3	9.7	9.8	6.8	8.6	10.8	9.3	11.6	13.4	15.2	15.4	43.5	35.5	38.2	45.7	14.3	38.1	50.0	19.5	16.3	17.3	8.0	7.8	19.6
9	8.0	15.0	20.4	13.4	14.0	12.8	16.4	22.5	23.9	20.9	16.2	18.6	11.5	9.7	14.2	20.6	29.1	24.1	32.7	21.8	21.4	14.6	12.3	29.9	18.5
10	34.8	33.3	29.0	15.5	10.8	11.4	14.4	18.9	14.6	14.7	15.1	15.5	18.3	17.7	29.5	21.7	24.1	19.4	9.8	20.2	27.9	31.7	17.9	12.6	19.9
11	14.6	21.6	18.6	12.9	11.7	15.7	14.1	12.9	11.5	10.8	12.9	12.1	19.7	26.6	24.3	25.0	16.0	25.2	17.7	15.4	15.1	12.4	12.4	5.5	16.0
12	7.1	6.1	7.4	5.9	7.6	13.2	16.6	19.7	18.3	17.1	30.5	50.7	26.4	29.0	21.6	24.1	26.1	21.6	17.6	10.3	15.9	17.8	17.3	7.7	18.2
13	7.8	14.1	7.1	12.3	7.5	7.3	9.1	15.4	17.6	18.0	17.9	16.1	15.8	23.0	21.6	24.9	37.7	20.7	13.9	12.0	9.0	5.6	9.1	13.2	14.8
14	15.9	16.6	20.4	13.5	12.2	9.3	13.0	16.5	18.2	21.1	19.8	22.8	22.6	22.5	20.3	17.3	13.8	12.7	22.5	18.0	21.8	30.9	30.4	24.2	19.0
15	19.8	6.3	11.8	6.3	9.0	10.6	8.4	7.1	8.2	9.8	11.2	14.7	19.4	20.9	27.0	25.5	21.3	19.1	22.7	18.3	16.1	17.7	14.0	14.4	15.0
16	13.0	5.8	10.2	6.5	9.9	10.2	9.8	8.2	7.3	12.9	16.7	19.1	18.9	21.1	24.5	19.4	20.0	20.5	11.3	14.6	14.6	16.1	13.1	12.8	14.0
17	12.4	11.5	10.7	16.8	18.9	18.3	16.4	17.2	16.3	16.5	14.6	9.0	14.9	10.0	8.4	13.6	17.9	8.7	9.1	13.4	14.0	21.7	20.1	15.3	14.4
18	12.7	8.6	4.1	5.0	8.6	7.4	7.5	6.2	7.4	8.4	11.5	15.8	14.9	14.8	16.1	17.5	19.1	17.8	10.1	8.4	11.6	12.8	22.7	20.0	12.0
19	20.0	13.6	15.5	12.9	12.6	10.0	12.9	13.1	11.9	11.6	10.3	13.5	13.0	12.6	11.7	19.8	16.1	24.5	18.0	18.9	12.5	16.3	14.7	24.8	15.0
20	16.5	10.2	7.0	4.9	7.0	7.9	8.3	7.7	10.7	12.2	13.3	18.5	21.3	22.1	16.5	31.6	34.5	46.5	21.5	19.1	17.1	14.0	24.7	24.5	17.4
21	18.6	16.4	18.8	17.0	13.4	6.7	8.0	6.9	7.9	8.9	10.6	15.8	15.7	12.9	26.0	27.1	39.3	19.2	16.5	25.1	25.0	17.4	16.9	16.4	16.9
22	8.8	11.6	3.7	6.1	6.7	7.6	8.2	9.5	12.8	14.6	13.9	16.6	16.8	22.0	23.0	25.6	26.0	19.4	19.4	14.4	14.9	5.7	8.2	13.7	13.7
23	17.1	15.2	8.6	8.0	8.3	12.4	13.0	13.5	12.2	15.0	15.4	16.1	14.2	25.5	26.7	27.2	19.9	17.5	13.4	11.5	14.3	26.6	19.9	13.5	16.0
24	8.1	4.9	8.3	6.5	10.4	7.5	12.9	8.6	12.5	10.4	13.5	28.3	29.8	26.6	36.4	32.2	28.4	26.0	22.6	13.2	15.0	25.5	13.0	12.6	17.2
25	10.1	9.0	10.5	17.3	13.1	14.6	13.9	9.6	9.7	9.8	12.6	16.1	13.8	13.5	21.8	21.6	20.5	17.8	14.5	25.0	36.8	22.5	21.3	19.6	16.5
26	14.9	12.5	11.2	10.5	7.1	9.9	9.3	9.4	10.1	10.0	11.1	16.7	20.3	25.3	27.9	32.0	28.0	38.2	38.5	22.9	7.7	12.4	12.5	14.1	17.2
27	12.4	9.1	11.1	12.9	14.7	14.5	16.3	15.1	14.5	14.5	18.1	21.8	14.8	19.9	18.2	16.6	20.1	24.2	21.5	16.6	14.4	19.0	21.0	16.0	16.5
28	8.3	12.8	7.4	8.0	8.3	9.5	8.4	8.2	11.6	10.5	11.5	14.5	16.5	17.0	17.4	25.9	18.7	16.8	18.9	16.4	18.1	32.6	36.3	29.2	15.9
29	17.1	17.6	12.3	9.3	7.3	5.9	6.9	8.0	7.5	7.9	15.6	12.5	17.7	19.9	15.7	18.1	27.1	19.0	30.6	32.0	13.0	11.3	8.0	9.9	14.6
30	10.9	11.5	9.9	10.3	7.3	8.3	5.4	8.6	9.7	11.3	13.2	15.8	16.9	23.3	19.6	23.9	32.7	28.4	12.5	11.0	11.7	11.0	14.2	13.3	14.2
31	13.6	11.8	11.9	13.5	13.3	11.4	11.5	10.9	10.5	10.2	15.0	14.0	12.4	13.0	16.2	12.0	9.5	7.6	6.1	13.4	11.9	15.9	15.7	19.3	12.5
HOURLY																									
MEAN	13.2	12.5	11.5	10.4	10.4	10.6	11.8	12.5	13.7	14.3	15.6	18.9	19.9	21.6	22.8	24.5	24.3	23.9	21.9	18.1	17.4	18.0	16.4	15.4	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	33.5	40.3	53.2	44.4	35.3	23.0	25.8	50.0	32.7	34.8	26.6	50.7	37.7	30.9	27.0	24.5	21.7	22.7	24.8	46.5	39.3	26.0	27.2	36.4	36.8
MIN	7.0	4.4	10.9	7.4	8.6	5.3	4.4	6.8	8.0	9.8	5.5	5.9	5.6	9.3	6.3	5.8	8.4	4.1	10.0	4.9	6.7	3.7	8.0	4.9	9.0
DAY	26	27	28	29	30	31																			
MAX	38.5	24.2	36.3	32.0	32.7	19.3																			
MIN	7.1	9.1	7.4	5.9	5.4	6.1																			

MONTHLY AVERAGE = 16.6    MONTHLY MAXIMUM = 53.2    MONTHLY MINIMUM = 3.7  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 1 FROM : 7/ 1/1993 TO : 7/31/1993

10M-2M TEMPERATURE DIFFERENCE  
JULY - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2.6	3.3	4.1	3.8	3.6	1.7	-.3	-.9	-.8	-1.2	-1.4	-1.8	-1.7	-1.4	-1.4	-1.5	-1.2	.2	.5	.5	1.3	1.9	2.0	1.5	.6
2	3.3	3.8	2.4	4.7	5.9	2.8	-.2	-.5	-1.0	-1.3	-1.2	-1.4	-1.7	-1.7	-1.5	-1.4	-.8	-.1	.4	1.0	.8	1.0	1.4	1.6	.7
3	4.3	2.6	7.4	3.5	3.9	3.4	1.6	-.6	-1.0	-1.1	-1.1	-.8	-.8	-1.6	-1.5	-.7	-.1	-.0	.2	.4	.6	.6	.9	2.6	.9
4	3.9	2.0	3.9	5.1	2.6	.6	-.5	-.7	-1.3	-1.6	-2.3	-.9	-1.9	-1.7	-.3	-.5	-.4	.0	.7	1.1	.7	1.2	1.1	2.2	.5
5	1.5	.7	1.5	2.4	5.0	.9	-.6	-.9	-1.4	-1.7	-1.7	-1.7	-2.2	-2.3	-2.2	-1.8	-1.2	-.5	.3	1.1	4.8	5.3	1.6	2.3	.4
6	3.9	6.3	9.1	9.2	5.9	1.4	-.4	-.9	-1.2	-1.2	-1.4	-1.4	-1.6	-1.4	-1.3	-1.0	-1.0	-.5	.9	2.3	1.7	2.2	2.3	2.0	1.4
7	2.5	3.1	3.7	3.2	3.2	2.2	-.3	-.6	-.8	-1.4	-1.5	-1.7	-1.6	-1.6	-1.2	-.8	-.5	-.2	1.5	4.1	8.0	6.8	6.5	6.2	1.6
8	6.9	3.5	3.0	3.7	2.5	.8	-.6	-.9	-.9	-1.2	-1.5	-1.3	-.9	-.9	-1.2	-.2	-.0	.3	.2	.9	.4	.5	1.7	.5	.6
9	.3	.1	.1	.3	.9	.1	-.5	-1.0	-1.4	-1.5	-1.3	-1.4	-.9	-.9	-.9	-1.1	-1.2	-.5	.1	.6	.7	2.3	3.9	2.0	-.0
10	.6	.7	.9	3.3	4.9	1.0	-.3	-.7	-.9	-1.1	-1.5	-1.4	-1.3	-1.2	-1.8	-.3	-.7	-.3	1.3	1.8	3.4	.7	.6	.9	.4
11	.8	.1	.1	.0	.0	.0	.0	-.0	-.1	-.2	-.6	-.9	-1.4	-1.6	-.5	.2	-.0	-.4	.3	.8	1.3	2.0	2.3	2.0	.2
12	4.4	3.3	4.1	2.7	3.6	.9	.1	-.5	-.8	-1.1	-1.1	1.0	.9	.4	-.9	-1.1	-.6	.0	.5	6.0	6.8	2.0	2.9	4.1	1.6
13	7.1	8.2	5.7	5.5	2.0	1.5	-.7	-1.2	-1.3	-1.6	-2.0	-1.5	-1.1	.0	-.9	-.4	-.5	-.5	.5	.3	.4	.8	.8	.3	.9
14	.1	.1	.1	.1	.3	.1	-.0	-.4	-1.0	-1.3	-1.2	-1.8	-1.1	-.2	-1.7	-1.6	-.8	.3	1.0	1.0	1.0	.9	.9	1.0	-.2
15	1.6	3.8	2.7	2.0	2.4	1.1	-.3	-.5	-.9	-1.3	-1.3	-1.7	-2.1	-1.9	-1.9	1.4	-.2	.3	.5	2.0	1.6	1.4	1.8	1.6	.5
16	2.8	3.4	2.6	3.8	5.0	2.4	.0	-.5	-.8	-1.1	-1.2	-1.6	-1.7	-1.7	-1.6	-.6	-.0	-.0	1.2	2.5	.8	1.2	2.9	2.5	.8
17	1.3	1.1	.7	.3	.1	.0	-.0	-.2	-.5	-.8	-.4	-.3	-.2	-.3	-.5	-.4	.0	-.2	-.1	.5	.6	.3	.2	.1	.1
18	.2	.5	2.0	2.3	1.1	.2	.1	-.7	-.7	-.9	-1.5	-1.6	-1.5	-1.7	-1.6	-1.5	-1.0	-.3	.8	5.6	3.9	3.7	1.9	1.1	.4
19	.6	1.9	1.5	1.7	1.4	.4	-.2	-.8	-1.4	-.8	-1.6	-1.3	-.6	-.5	-.5	-1.0	-.9	-.6	.1	.4	1.0	.7	.7	.2	.0
20	.1	-.0	-.1	-.0	.4	-.1	-.5	-.6	-1.0	-1.6	-1.7	-2.0	-1.4	-1.0	-.2	.2	.4	1.3	1.2	1.4	1.3	2.0	1.1	1.0	.0
21	1.7	2.1	1.5	2.3	2.9	4.4	-.4	-.8	-.7	-1.0	-1.3	-1.3	-1.2	-.9	-.4	-.7	1.4	-.0	1.4	.7	.4	.5	1.1	2.0	.6
22	3.4	3.8	2.6	3.0	3.1	1.4	.0	-.3	-.8	-1.2	-.8	-1.0	-.8	-.7	-1.1	-1.3	-.5	-.1	.5	1.4	1.5	3.4	6.9	3.2	1.1
23	2.9	1.4	2.5	4.3	6.9	3.9	-.4	-.8	-.9	-.9	-.6	-.9	-.8	-1.7	-1.1	-.5	-1.4	-.1	.2	.8	2.3	.3	.1	.3	.7
24	.1	.1	1.0	3.5	2.2	1.1	-.3	-.6	-.4	.0	-1.2	-1.9	-2.3	-2.2	-2.1	-1.8	-1.3	-.6	.5	2.5	1.8	2.1	3.1	3.2	.3
25	4.1	2.8	3.1	2.1	2.0	1.2	.0	-.4	-1.0	-1.1	-1.0	-1.5	-1.4	-1.0	-.8	-.7	-.6	-.0	.5	1.2	2.5	1.4	1.0	.9	.5
26	1.6	3.2	4.0	4.8	3.9	2.2	.1	-.6	-1.0	-1.3	-1.6	-1.8	-2.3	-2.4	-2.1	-1.7	-1.2	-.5	.2	.7	1.7	1.8	1.3	1.6	.5
27	1.7	2.6	2.9	1.7	1.2	.7	-.3	-.8	-.8	-1.1	-1.6	-1.6	-1.6	-1.5	-1.6	-1.2	-.9	-.3	.3	.6	.9	.6	.6	1.3	.1
28	2.1	2.2	3.2	5.5	5.6	2.4	-.2	-.6	-.7	-.8	-1.2	-1.1	-1.6	-1.4	-1.4	-1.2	-.6	-.3	.5	1.4	1.3	.5	.5	.7	.6
29	1.0	1.5	2.6	5.0	3.7	2.3	-.3	-.6	-.8	-1.1	-1.2	-1.2	-1.6	-1.6	-1.0	-.8	-.2	-.0	.5	.7	3.3	4.5	4.8	4.4	1.0
30	3.1	2.8	4.0	4.4	6.4	5.2	.1	-.9	-.9	-.8	-1.6	-1.9	-1.6	-.5	.0	.2	1.5	1.1	.9	2.5	2.2	3.0	3.2	3.1	1.5
31	3.5	3.6	3.1	3.3	4.3	3.4	.2	-.5	-.5	-1.0	-1.7	-1.4	-1.1	-1.3	-1.4	-.8	-.0	.1	2.7	3.3	2.0	1.0	1.1	1.4	1.0
HOURLY																									
MEAN	2.4	2.4	2.8	3.1	3.1	1.6	-.2	-.6	-.9	-1.1	-1.3	-1.3	-1.3	-1.2	-1.2	-.8	-.5	-.1	.7	1.6	2.0	1.8	2.0	1.9	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	4.1	5.9	7.4	5.1	5.3	9.2	8.0	6.9	3.9	4.9	2.3	6.8	8.2	1.0	3.8	5.0	1.3	5.6	1.9	2.0	4.4	6.9	6.9	3.5	4.1
MIN	-1.8	-1.7	-1.6	-2.3	-2.3	-1.6	-1.7	-1.5	-1.5	-1.8	-1.6	-1.1	-2.0	-1.8	-2.1	-1.7	-.8	-1.7	-1.6	-2.0	-1.3	-1.3	-1.7	-2.3	-1.5
DAY	26	27	28	29	30	31																			
MAX	4.8	2.9	5.6	5.0	6.4	4.3																			
MIN	-2.4	-1.6	-1.6	-1.6	-1.9	-1.7																			

MONTHLY AVERAGE = .6 MONTHLY MAXIMUM = 9.2 MONTHLY MINIMUM = -2.4  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744 VALID DATA RECOVERY RATE = 100.0% OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 3 FROM : 7/ 1/1993 TO : 7/31/1993

SOLAR RADIATION (LANGLEYS/HR)  
JULY - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	.0	.0	.0	.0	.0	.1	.4	.7	.9	1.2	1.4	1.5	1.5	1.4	1.2	1.0	.7	.2	.1	.0	.0	.0	.0	.0	.5
2	.0	.0	.0	.0	.0	.2	.4	.7	1.0	1.2	1.4	1.5	1.5	1.4	1.2	1.0	.7	.4	.2	.0	.0	.0	.0	.0	.5
3	.0	.0	.0	.0	.0	.1	.2	.7	1.0	1.3	1.2	.6	.8	1.3	.9	.4	.2	.1	.0	.0	.0	.0	.0	.0	.4
4	.0	.0	.0	.0	.0	.1	.4	.7	.9	1.2	1.4	.4	.9	.9	.5	.5	.3	.1	.0	.0	.0	.0	.0	.0	.3
5	.0	.0	.0	.0	.0	.1	.4	.7	1.0	1.2	1.5	1.2	1.4	1.1	1.3	1.1	.8	.4	.2	.0	.0	.0	.0	.0	.5
6	.0	.0	.0	.0	.0	.1	.4	.7	1.0	1.2	1.4	1.5	1.6	1.5	1.2	.8	.6	.4	.1	.0	.0	.0	.0	.0	.5
7	.0	.0	.0	.0	.0	.1	.4	.7	1.0	1.2	1.4	1.5	1.5	1.3	1.1	1.0	.6	.3	.1	.0	.0	.0	.0	.0	.4
8	.0	.0	.0	.0	.0	.2	.2	.7	1.0	1.2	1.4	1.3	.4	.8	.9	.2	.2	.1	.1	.0	.0	.0	.0	.0	.5
9	.0	.0	.0	.0	.0	.2	.4	.7	1.0	1.2	1.4	1.5	1.0	1.0	.6	.7	.8	.4	.2	.0	.0	.0	.0	.0	.5
10	.0	.0	.0	.0	.0	.1	.4	.7	1.0	1.2	1.4	1.5	1.1	1.4	1.0	.4	.6	.4	.1	.0	.0	.0	.0	.0	.2
11	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.8	1.1	1.2	1.1	.2	.1	.2	.3	.1	.0	.0	.0	.0	.0	.4
12	.0	.0	.0	.0	.0	.1	.1	.6	.9	1.1	1.3	.2	.1	.9	1.2	1.0	.6	.3	.1	.0	.0	.0	.0	.0	.3
13	.0	.0	.0	.0	.0	.1	.4	.7	1.0	1.2	1.4	1.0	.7	.3	.8	.3	.4	.1	.0	.0	.0	.0	.0	.0	.4
14	.0	.0	.0	.0	.0	.1	.3	.7	.9	1.2	1.4	1.5	.9	.3	1.2	1.0	.3	.0	.1	.0	.0	.0	.0	.0	.4
15	.0	.0	.0	.0	.0	.1	.3	.6	1.0	1.2	1.4	1.5	1.5	1.3	.6	.2	.5	.3	.1	.0	.0	.0	.0	.0	.4
16	.0	.0	.0	.0	.0	.1	.4	.7	1.0	1.2	1.3	1.4	1.5	1.5	.9	.7	.2	.3	.1	.0	.0	.0	.0	.0	.5
17	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2	.2	.2	.3	.4	.5	.1	.1	.1	.0	.0	.0	.0	.0	.1
18	.0	.0	.0	.0	.0	.0	.2	.6	1.0	1.2	1.4	1.5	1.5	1.4	1.3	1.0	.7	.4	.1	.0	.0	.0	.0	.0	.5
19	.0	.0	.0	.0	.0	.0	.1	.4	.9	.8	1.3	1.2	.3	.2	.5	1.0	.7	.4	.1	.0	.0	.0	.0	.0	.3
20	.0	.0	.0	.0	.0	.0	.3	.4	.6	1.1	1.1	1.5	.9	.5	.1	.1	.1	.0	.1	.0	.0	.0	.0	.0	.4
21	.0	.0	.0	.0	.0	.1	.3	.6	.9	1.2	1.4	1.5	1.4	1.0	.5	.6	.2	.4	.0	.0	.0	.0	.0	.0	.4
22	.0	.0	.0	.0	.0	.1	.3	.7	1.0	1.1	.8	.8	.7	.6	.9	1.0	.5	.2	.0	.0	.0	.0	.0	.0	.3
23	.0	.0	.0	.0	.0	.1	.3	.6	.9	.5	.5	.8	.9	1.1	.9	.5	.6	.2	.1	.0	.0	.0	.0	.0	.4
24	.0	.0	.0	.0	.0	.0	.2	.5	.1	.3	1.1	1.5	1.5	1.4	1.3	1.1	.7	.4	.1	.0	.0	.0	.0	.0	.4
25	.0	.0	.0	.0	.0	.1	.1	.4	1.0	1.2	1.2	1.4	1.5	1.0	1.1	.4	.5	.3	.1	.0	.0	.0	.0	.0	.5
26	.0	.0	.0	.0	.0	.1	.3	.5	.9	1.0	1.1	1.5	1.5	1.4	1.2	1.0	.7	.3	.1	.0	.0	.0	.0	.0	.5
27	.0	.0	.0	.0	.0	.1	.3	.6	1.0	1.2	1.4	1.5	1.5	1.4	1.2	1.0	.7	.4	.1	.0	.0	.0	.0	.0	.5
28	.0	.0	.0	.0	.0	.1	.3	.6	.9	1.2	1.4	1.5	1.5	1.4	1.2	1.0	.7	.4	.1	.0	.0	.0	.0	.0	.5
29	.0	.0	.0	.0	.0	.1	.3	.6	.9	1.2	1.3	1.5	1.5	1.4	1.0	.6	.3	.2	.1	.0	.0	.0	.0	.0	.3
30	.0	.0	.0	.0	.0	.1	.3	.6	.9	1.2	1.3	1.3	.8	.4	.1	.1	.0	.1	.1	.0	.0	.0	.0	.0	.5
31	.0	.0	.0	.0	.0	.1	.3	.6	.9	1.2	1.4	1.5	1.4	1.2	1.2	.7	.4	.2	.0	.0	.0	.0	.0	.0	.5
HOURLY MEAN	.0	.0	.0	.0	.0	.1	.3	.6	.9	1.1	1.2	1.2	1.1	1.0	.9	.7	.5	.3	.1	.0	.0	.0	.0	.0	.0

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	1.5	1.5	1.3	1.4	1.5	1.6	1.5	1.4	1.5	1.5	1.2	1.3	1.4	1.5	1.5	1.5	.5	1.5	1.3	1.5	1.5	1.1	1.1	1.5	1.5
MIN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

  

DAY	26	27	28	29	30	31
MAX	1.5	1.5	1.5	1.5	1.3	1.5
MIN	.0	.0	.0	.0	.0	.0

MONTHLY AVERAGE = .4    MONTHLY MAXIMUM = 1.6    MONTHLY MINIMUM = .0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 7/ 1/1993 TO : 7/31/1993

CARBON MONOXIDE (PPM)  
JULY - 1993

HOUR																									DAILY MEAN
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	.1	.2	.4	.2	.2	.3	.3	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
2	.1	.1	.1	.1	.1	.6	1.0	.7	.4	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2
3	.3	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
4	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
5	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
6	.1	.1	.1	.1	.1	.8	.5	.6	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2
7	.1	.1	.1	.1	.1	.1	.3	.5	.4	.3	.1	CAL	.1	.1	.1	.1	.1	.1	.1	.1	.2	.4	1.0	1.4	1.0
8	1.2	.6	.2	.3	.3	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.1	.1	.1	.1	.1	.2
9	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
10	.1	.1	.1	.1	.1	.3	.3	.3	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
11	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.3	.5	.3	.3	.4	.6
12	.5	.4	.4	.3	.3	.4	.9	.7	.4	.2	.2	.4	.4	.1	.1	.1	.1	.1	.1	.2	.1	.3	.3	.2	.2
13	.3	.4	.6	.6	.4	.4	.3	.1	.1	.1	.1	CAL	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2
14	.1	.1	.1	.1	.1	.1	.2	.1	.1	.1	.2	.2	.1	.1	.1	.2	.2	.3	.3	.2	.1	.1	.1	.1	.1
15	.1	.3	.3	.2	.1	.1	.2	.3	.3	.3	.3	.3	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2
16	.1	.3	.3	.1	.1	.7	1.0	.8	.7	.4	.1	.1	.1	.1	.1	.1	.1	.1	.3	.3	.2	.1	.1	.3	.3
17	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.3	.1	.1	.1	.1
18	.1	.1	.1	.2	.1	.2	.3	.4	.4	.3	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.3	.3	.2
19	.1	.1	.1	.1	.2	.2	.1	.1	.1	.1	.1	.2	.2	.2	.2	.2	.1	.2	.1	.1	.1	.1	.1	.1	.1
20	.1	.1	.1	.1	.1	.2	.3	.3	.3	.2	.3	.1	.1	.2	.3	.4	.2	.3	.4	.6	.6	.4	.3	.1	.3
21	.1	.1	.1	.1	.1	.3	.5	.7	.6	.5	.5	.3	.1	.1	CAL	.1	.1	.1	.1	.1	.1	.1	.2	.3	.2
22	.2	.3	.3	.3	.3	.4	.8	.8	.6	.4	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.3	.9	1.2	.3
23	.4	.2	.1	.1	.1	.1	.4	.3	.3	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2
24	.1	.1	.1	.1	.1	.2	.2	.1	.1	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
25	.1	.1	.1	.1	.1	.1	.3	.5	.3	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
26	.1	.5	.6	.4	.3	.3	.3	.2	.2	.2	.2	.2	.2	.2	.1	.2	.2	.2	.1	.1	.1	.1	.1	.1	.2
27	.1	.1	.1	.1	.1	.3	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
28	.1	.3	.1	.1	.1	.3	1.0	.7	.5	.3	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2
29	.3	.2	.1	.1	.2	.3	.3	.4	.5	.4	.4	.3	.3	.2	.1	.1	.1	.1	.1	.1	.2	.3	.3	.3	.2
30	.8	.7	.5	.4	.3	.3	.4	.4	.3	.2	.2	.1	.1	.1	.2	.5	.4	.3	.5	.9	.9	.8	.5	.5	.4
31	.5	.4	.3	.2	.3	.4	.5	.5	.4	.3	.1	.1	.1	.1	.1	.1	.1	.1	.2	.3	.2	.1	.1	.1	.2
HOURLY MEAN	.2	.2	.2	.2	.2	.3	.4	.3	.3	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.2	.2	.2

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	.4	1.0	.3	.1	.1	.8	1.4	1.2	.5	.3	.6	.9	.6	.3	.3	1.0	.3	.4	.2	.6	.7	1.2	.4	.2	.5
MIN	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1

DAY 26 27 28 29 30 31  
MAX .6 .3 1.0 .5 .9 .5  
MIN .1 .1 .1 .1 .1 .1

MONTHLY AVERAGE = .2 MONTHLY MAXIMUM = 1.4 MONTHLY MINIMUM = .1  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744 VALID DATA RECOVERY RATE = 99.6% OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 7/ 1/1993 TO : 7/31/1993

OZONE (PPB)  
JULY - 1993

.....DAILY																									
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	28	17	9	20	15	18	23	35	42	63	77	80	70	76	81	80	82	75	58	49	44	35	30	27	47
2	26	22	21	21	20	9	14	28	41	56	71	77	70	67	68	65	63	62	59	54	52	48	44	40	46
3	28	28	35	33	33	31	34	38	44	50	58	57	62	60	55	52	49	51	58	54	47	53	50	42	46
4	38	41	40	36	31	34	39	47	48	50	51	50	53	55	58	54	55	55	55	45	43	46	44	40	46
5	47	50	44	36	35	31	38	44	53	54	55	55	53	52	54	55	56	57	56	51	41	39	34	29	47
6	22	26	33	32	21	7	20	26	43	56	58	59	60	63	65	66	64	68	62	53	48	43	43	31	45
7	28	32	31	25	22	22	30	31	34	50	58	CAL	60	65	65	64	65	67	62	62	62	30	10	21	43
8	4	16	26	18	16	20	28	37	50	60	65	66	62	48	49	43	39	40	37	35	40	40	35	34	38
9	38	36	35	35	34	34	43	49	50	53	56	60	63	63	69	72	65	48	44	38	38	31	21	19	46
10	41	42	42	38	29	19	23	33	37	49	55	61	70	70	58	56	59	49	42	44	32	45	37	34	44
11	32	29	30	30	31	27	24	24	23	24	28	40	43	45	40	37	43	41	33	26	33	32	22	1	31
12	4	5	13	21	13	9	5	20	35	45	51	50	51	50	59	60	55	51	48	49	32	19	24	21	33
13	18	12	6	3	3	7	17	29	35	40	CAL	49	50	46	47	48	46	43	34	23	25	21	15	22	28
14	18	18	14	14	11	11	19	32	38	44	51	57	50	38	44	50	53	46	35	37	37	37	35	34	34
15	30	20	12	11	13	19	24	24	29	35	47	63	77	71	59	47	42	46	41	34	32	34	31	31	36
16	26	14	12	18	18	7	11	23	34	49	57	61	60	53	52	54	53	53	42	39	36	31	25	19	35
17	20	23	18	25	29	32	30	32	30	30	30	28	25	25	29	30	30	31	29	24	22	20	20	20	26
18	16	11	12	13	6	9	12	15	25	42	61	66	70	70	70	71	73	65	52	47	41	38	38	32	40
19	35	31	33	32	26	24	27	31	36	47	57	66	70	72	70	61	55	52	48	39	29	25	22	27	42
20	31	33	29	29	26	21	20	23	28	32	37	45	47	49	44	38	34	31	27	13	10	19	27	32	30
21	23	24	25	28	24	22	15	18	27	41	56	63	55	57	CAL	51	45	46	39	37	39	36	31	26	36
22	21	10	7	8	6	9	11	19	29	43	53	55	55	55	58	57	53	50	47	44	39	21	6	1	32
23	7	21	25	27	32	38	31	40	47	48	52	54	55	57	56	51	52	48	46	42	31	34	35	32	40
24	31	36	34	32	20	16	20	33	35	35	45	61	66	63	61	58	55	55	50	43	46	42	33	29	42
25	31	34	36	30	28	36	27	23	33	48	58	64	65	67	66	57	56	53	47	43	42	44	43	37	45
26	28	6	3	4	22	23	21	29	32	39	50	65	80	85	72	65	64	58	47	42	39	37	34	34	41
27	36	34	33	34	30	27	35	43	46	51	56	59	62	64	65	66	63	59	57	55	49	48	45	35	48
28	31	17	19	23	24	12	11	14	22	48	63	68	65	59	58	60	61	57	53	46	46	57	49	43	42
29	40	42	40	36	24	13	27	32	37	56	63	67	58	56	55	54	53	52	49	47	36	39	29	25	43
30	16	29	27	22	16	12	22	42	52	61	70	74	71	64	53	48	46	59	40	28	23	25	28	26	40
31	18	17	31	34	25	19	21	27	23	46	50	58	61	64	73	71	71	73	72	66	56	41	39	37	46
HOURLY																									
MEAN	26	25	25	25	22	20	23	30	37	47	55	59	60	59	58	56	55	53	47	42	38	36	31	28	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	82	77	62	58	57	68	67	66	72	70	45	60	50	57	77	61	32	73	72	49	63	58	57	66	67
MIN	9	9	28	31	29	7	10	4	19	19	1	4	3	11	11	7	18	6	22	10	15	1	7	16	23
-----																									
										DAY	26	27	28	29	30	31									
											MAX	85	66	68	67	74	73								
											MIN	3	27	11	13	12	17								

MONTHLY AVERAGE = 39.9    MONTHLY MAXIMUM = 85.2    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 99.6%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 7/ 1/1993 TO : 7/31/1993

SULFUR DIOXIDE (PPB)  
JULY - 1993

DAY	HOUR																								DAILY
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	5	1	1	1	1	1	8	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
2	1	1	1	1	1	1	10	30	14	8	3	1	1	1	1	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	2
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	2	8	CAL	CAL	1	1	1	1	1	1	1	1	1	1	6	11	9	2
8	11	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	2	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	6	3	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	2	3	3	1	1	1	1	CAL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	3	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	3	1	1	1	1	4	8	4	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	10	13	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	5	6	3	4	3	1	1	1	2	1	1	1	1	5	3	1	1	1	2
21	1	1	1	1	1	1	4	6	11	13	6	1	CAL	CAL	1	1	1	1	1	1	1	1	1	1	3
22	1	1	1	1	1	1	1	10	7	4	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	9	17	9	5	1	1	1	1	1	1	1	1	1	1	1	1	1	3
26	1	1	3	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	3	5	40	28	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
29	1	1	1	1	1	2	1	3	14	6	5	1	1	1	1	1	1	1	1	1	3	1	1	1	2
30	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
31	1	6	1	1	1	1	2	10	28	17	1	1	1	1	3	1	1	1	1	2	1	1	1	1	4
HOURLY MEAN	1	1	1	1	1	1	2	5	6	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	8	30	8	1	4	2	11	11	1	3	1	6	3	1	3	8	1	13	1	6	13	10	1	1	17
MIN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

  

DAY	26	27	28	29	30	31
MAX	4	1	40	14	2	28
MIN	1	1	1	1	1	1

MONTHLY AVERAGE = 1.7    MONTHLY MAXIMUM = 39.9    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 99.3%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE



ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 7/ 1/1993 TO : 7/31/1993

NITRIC OXIDE (PPB)  
JULY - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	4	4	4	4	5	10	11	8	9	4	3	2	3	1	1	1	1	1	1	3	3	4	4	4	4
2	4	5	4	4	5	18	37	24	14	7	3	3	1	1	1	1	1	1	1	1	1	1	1	2	6
3	2	3	4	3	3	4	5	5	3	3	2	1	2	3	1	1	2	3	4	5	5	4	5	4	3
4	4	4	3	3	3	4	4	4	4	3	4	3	3	3	3	4	4	4	5	5	5	5	4	4	4
5	3	3	4	4	4	4	5	6	3	3	3	3	1	1	1	1	1	1	1	1	3	4	3	3	3
6	3	3	3	3	3	29	15	16	8	3	3	3	2	2	1	1	2	2	2	2	3	1	1	2	5
7	2	3	3	3	3	5	8	13	16	CAL	CAL	1	1	1	2	2	1	2	1	2	2	3	3	4	4
8	8	4	3	3	4	5	5	6	5	4	3	3	3	3	4	3	5	4	3	3	3	3	4	4	4
9	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	5	3
10	2	2	3	3	4	7	11	8	11	5	4	3	3	3	1	1	3	3	3	3	3	3	4	4	4
11	4	4	3	3	3	3	3	4	3	4	5	3	3	3	3	4	4	***	***	***	7	5	4	7	4
12	3	5	4	3	4	7	34	18	8	5	4	5	5	4	4	3	3	4	4	3	3	4	3	6	6
13	3	3	8	17	6	13	10	5	CAL	CAL	1	1	1	1	1	1	1	1	1	1	2	3	1	4	4
14	1	1	1	1	1	2	4	2	1	1	1	1	2	3	4	4	2	2	2	1	1	1	1	1	2
15	1	1	1	1	1	3	4	5	6	7	5	3	1	1	1	1	2	1	1	1	1	1	1	1	2
16	1	1	1	1	1	21	31	21	12	5	4	1	1	1	1	1	1	1	1	1	1	1	1	1	5
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	2	6	16	14	5	1	1	1	1	1	1	1	1	1	1	1	1	9	3	3
19	2	1	2	2	1	1	1	2	2	1	1	1	1	1	1	3	1	2	1	1	1	1	1	1	1
20	1	1	1	1	1	1	7	7	5	6	5	2	1	1	2	1	1	1	3	7	3	1	1	1	3
21	1	1	1	1	1	3	23	23	17	10	6	3	CAL	CAL	1	1	1	2	1	1	1	1	1	1	5
22	1	1	1	1	1	4	15	20	14	6	2	1	1	1	1	1	1	1	1	1	1	1	17	17	5
23	3	1	1	1	1	1	5	4	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
24	1	1	1	1	1	1	3	3	1	2	3	1	1	1	1	1	2	2	1	1	1	1	1	1	1
25	1	1	1	1	1	1	2	13	12	5	3	1	1	1	1	1	1	1	1	1	1	1	1	1	2
26	1	6	5	3	3	4	6	4	5	4	3	2	1	1	1	1	3	3	1	1	1	1	1	1	3
27	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	10	37	44	27	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6
29	1	1	1	1	1	6	7	9	12	4	3	1	1	1	1	1	1	1	1	1	1	1	1	1	2
30	1	1	1	1	1	6	8	3	2	1	1	1	1	1	1	2	1	3	3	1	1	1	1	1	2
31	1	1	1	1	1	3	9	11	25	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
HOURLY MEAN	2	2	2	3	2	6	10	10	8	4	3	2	2	2	2	2	2	2	2	2	2	2	3	3	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	11	37	5	5	6	29	16	8	5	11	7	34	17	4	7	31	1	16	3	7	23	20	5	3	13
MIN	1	1	1	3	1	1	1	3	3	1	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1

  

DAY	26	27	28	29	30	31
MAX	6	3	44	12	8	25
MIN	1	1	1	1	1	1

MONTHLY AVERAGE = 3.3    MONTHLY MAXIMUM = 43.9    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 98.8%    OPERATIONAL RECOVERY RATE = 99.6%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 7/ 1/1993 TO : 7/31/1993

NITROGEN DIOXIDE (PPB)  
JULY - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	9	18	35	19	20	19	19	14	19	12	12	8	3	4	4	4	4	4	4	4	5	10	13	15	12
2	13	18	17	18	15	30	46	45	33	22	12	7	4	3	3	3	3	5	8	8	6	8	8	10	14
3	16	19	10	7	6	8	10	8	5	5	6	3	4	5	3	3	4	4	4	9	13	4	5	8	7
4	8	5	4	5	5	3	3	5	7	1	1	3	3	1	2	2	3	3	3	9	9	7	9	9	5
5	6	3	4	5	3	7	7	9	1	1	2	2	1	1	1	1	1	1	2	4	10	11	2	4	4
6	12	10	5	5	13	34	24	24	13	4	2	1	1	1	2	2	3	6	9	10	20	50	82	55	18
7	10	8	8	15	19	17	15	24	30	CAL	CAL	3	3	3	3	2	3	6	9	10	20	50	82	55	18
8	66	36	13	17	19	17	11	8	8	7	5	4	6	5	6	6	12	10	4	5	5	4	6	6	12
9	4	5	6	5	6	9	6	3	3	4	4	4	4	3	6	5	4	4	6	5	3	8	14	22	6
10	4	4	4	6	12	24	20	13	22	10	4	4	7	3	3	3	3	3	5	5	15	4	5	4	8
11	4	4	4	4	4	4	3	3	3	3	5	4	3	3	4	6	4	***	***	***	12	11	18	30	7
12	28	26	19	12	18	20	35	27	18	11	12	22	23	7	5	6	6	9	11	8	18	25	15	15	16
13	21	30	35	39	27	24	15	6	CAL	CAL	3	3	3	3	3	3	4	3	4	6	7	9	10	6	12
14	6	5	5	3	4	6	9	4	4	5	5	6	7	8	6	7	8	11	12	6	6	6	7	8	7
15	9	17	18	14	11	8	9	10	10	13	13	10	9	6	4	4	5	4	5	10	11	7	9	9	9
16	14	25	23	13	11	25	34	37	28	17	6	4	4	3	2	3	4	11	14	11	8	8	15	18	14
17	14	9	11	6	6	5	6	5	5	5	5	5	4	3	3	3	3	4	4	5	4	4	3	3	5
18	4	7	6	9	10	9	10	17	22	13	8	6	3	2	1	1	2	2	3	6	8	9	8	15	8
19	6	7	6	5	9	9	6	5	5	5	4	5	10	7	7	8	5	8	4	6	8	7	9	5	6
20	3	2	4	3	4	11	16	16	13	10	10	5	5	5	14	14	9	13	15	33	33	20	10	5	11
21	11	9	9	6	9	13	26	30	30	27	23	12	CAL	CAL	6	4	4	3	5	4	3	4	9	9	12
22	10	17	17	15	18	17	24	27	25	16	7	4	3	3	3	3	3	3	3	4	4	8	6	4	7
23	30	12	9	8	7	5	15	13	10	8	4	3	2	3	3	3	3	3	4	4	8	6	4	5	7
24	7	4	4	6	7	8	8	7	8	8	6	4	2	2	2	1	1	2	3	6	4	3	7	8	5
25	5	4	3	7	9	5	15	27	25	16	9	4	2	2	2	1	1	1	1	3	3	3	3	4	6
26	10	33	37	38	23	18	16	9	9	9	9	9	8	7	5	4	4	4	3	4	3	3	6	5	11
27	4	5	6	6	11	15	10	3	3	3	4	3	3	2	2	2	2	2	2	3	4	3	4	7	5
28	8	18	10	7	8	20	31	43	37	16	9	4	3	2	2	2	2	1	2	4	4	3	4	6	10
29	6	5	7	9	20	30	20	24	28	15	14	4	1	1	1	1	3	4	6	12	20	16	22	23	12
30	26	13	14	16	22	28	21	8	5	5	4	4	3	4	9	17	16	12	23	31	32	28	21	20	16
31	24	23	10	7	15	22	23	24	36	18	4	1	3	3	5	3	3	3	6	10	7	3	3	4	11
HOURLY MEAN	13	13	12	11	12	15	17	16	15	10	7	5	5	4	4	4	4	5	6	8	10	10	12	13	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	35	46	19	9	11	34	82	66	22	24	30	35	39	12	18	37	14	22	10	33	30	43	30	8	27
MIN	3	3	3	1	1	1	2	4	3	3	3	5	3	3	4	2	3	1	4	2	3	1	2	1	1

  

DAY	26	27	28	29	30	31
MAX	38	15	43	30	32	36
MIN	3	2	1	1	3	1

MONTHLY AVERAGE = 9.6    MONTHLY MAXIMUM = 81.9    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 98.8%    OPERATIONAL RECOVERY RATE = 99.6%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 7/ 1/1993 TO : 7/31/1993

NITROGEN OXIDES (PPB)  
JULY - 1993

HOUR																										DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	13	23	40	23	25	30	30	23	28	17	15	10	6	6	6	6	6	5	6	7	9	15	18	20	16	
2	17	23	22	23	20	49	83	69	47	29	16	10	6	5	5	5	4	5	10	9	8	10	10	12	21	
3	19	22	14	11	10	12	15	13	9	8	9	6	7	8	5	5	6	7	9	14	18	9	10	13	11	
4	13	9	8	9	9	7	8	9	12	6	6	7	6	5	6	7	7	8	8	15	14	13	14	13	9	
5	9	7	8	10	8	12	13	16	6	5	6	5	4	3	3	4	4	4	5	7	14	15	6	8	8	
6	16	14	9	8	17	63	40	40	21	8	5	5	4	4	5	5	5	5	5	7	7	7	8	13	13	
7	13	11	12	18	23	22	24	37	47	CAL	CAL	5	5	5	6	5	5	9	11	12	22	53	86	60	22	
8	74	40	16	21	24	23	17	14	14	11	9	8	9	9	11	10	17	14	8	9	9	8	10	10	16	
9	8	9	10	8	9	13	10	6	6	7	7	7	7	7	9	8	8	8	9	8	7	11	18	28	10	
10	7	6	7	9	16	32	32	22	34	15	8	8	10	6	5	5	7	6	9	8	19	8	9	8	12	
11	8	8	8	8	8	8	7	7	7	7	10	8	7	7	7	10	9	***	***	***	19	16	23	38	11	
12	32	31	23	16	23	28	69	46	27	16	16	28	28	12	9	10	9	13	15	11	22	30	19	19	23	
13	25	34	44	56	33	38	26	12	CAL	CAL	5	4	4	5	5	4	6	5	5	8	9	11	14	8	16	
14	8	7	7	5	6	9	14	7	7	7	7	8	10	11	11	11	11	14	15	8	8	8	9	10	9	
15	11	19	20	16	13	11	13	15	17	21	19	14	11	7	5	5	7	6	7	11	12	9	11	11	12	
16	16	27	25	15	13	47	65	59	40	22	10	6	5	4	4	4	5	13	16	12	10	11	17	20	19	
17	16	11	13	8	8	6	7	6	7	7	6	7	6	5	5	6	5	6	6	7	6	5	4	4	7	
18	6	8	8	11	12	12	16	33	37	19	10	7	4	3	3	3	3	3	4	7	9	11	18	19	11	
19	9	10	9	8	11	11	8	8	8	7	6	7	12	9	9	11	7	10	5	7	10	8	11	6	9	
20	5	4	5	4	6	13	23	23	18	16	16	8	7	8	17	16	11	15	18	40	36	22	12	7	15	
21	12	11	11	8	11	16	50	54	47	38	30	15	CAL	CAL	8	6	5	6	6	6	5	6	11	11	17	
22	11	19	19	17	21	22	40	47	40	22	10	6	4	4	5	4	3	4	5	5	6	20	56	61	19	
23	33	13	10	10	9	7	21	18	14	11	5	4	4	4	5	5	6	5	5	6	10	8	5	6	9	
24	9	6	6	8	9	11	12	10	10	11	10	6	4	4	4	4	4	5	6	7	6	5	9	10	7	
25	6	5	5	8	10	6	17	41	37	22	13	5	4	4	4	3	3	3	3	5	5	5	5	6	9	
26	12	39	42	41	27	22	23	13	15	13	13	11	9	8	6	6	7	7	4	5	4	5	7	6	14	
27	5	6	7	7	11	17	13	5	5	5	6	5	5	3	3	3	3	3	3	4	5	5	6	7	17	
28	9	19	12	9	10	31	69	88	64	22	11	5	4	3	3	3	3	2	3	5	7	13	21	17	15	
29	7	7	9	10	22	37	27	33	40	19	18	5	3	3	2	1	3	5	7	13	21	17	23	24	15	
30	28	14	15	18	24	34	30	12	8	7	5	6	4	5	10	20	18	16	27	33	34	29	23	22	18	
31	26	25	11	9	17	26	32	36	62	25	6	3	4	3	7	3	3	4	7	11	8	5	4	6	14	
HOURLY MEAN	16	16	15	14	15	22	28	27	24	15	10	8	7	6	6	6	6	7	8	10	12	13	16	16		

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	40	83	22	15	16	63	86	74	28	34	38	69	56	15	21	65	16	37	12	40	54	61	33	12	41
MIN	5	4	5	5	3	4	5	8	6	5	7	9	4	5	5	4	4	3	5	4	5	3	4	4	3

  

DAY	26	27	28	29	30	31
MAX	42	17	88	40	34	62
MIN	4	3	2	1	4	3

MONTHLY AVERAGE = 13.4    MONTHLY MAXIMUM = 87.6    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 98.8%    OPERATIONAL RECOVERY RATE = 99.6%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 8/ 1/1993 TO : 8/31/1993

10M WIND SPEED (MPH)  
AUGUST - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	13.5	11.8	8.5	10.0	11.5	11.1	10.0	11.1	10.0	8.3	4.9	5.6	7.2	6.4	7.2	8.0	6.5	5.5	5.0	8.9	12.0	9.3	8.5	13.1	8.9
2	12.4	6.9	7.3	8.1	6.4	6.2	6.3	14.9	15.9	14.2	14.1	12.5	12.2	11.1	10.1	9.0	11.0	10.3	8.0	7.3	7.6	7.8	11.4	15.1	10.3
3	12.8	12.0	12.1	9.9	8.2	3.4	5.9	5.3	2.6	3.5	4.0	3.3	3.8	3.7	4.6	2.5	3.0	2.8	4.6	5.6	6.1	3.3	3.8	6.2	5.5
4	8.9	8.5	7.7	6.4	6.4	6.4	5.2	4.2	4.6	4.6	5.4	6.2	10.4	20.6	18.3	20.3	20.7	25.2	17.5	6.1	3.0	5.6	1.6	4.2	9.5
5	4.5	4.9	2.9	3.2	2.6	2.5	5.1	4.1	8.4	12.6	13.5	12.0	11.8	10.3	12.9	14.2	10.5	11.2	7.4	10.3	12.2	5.7	10.6	7.5	8.4
6	9.2	8.6	5.5	3.0	5.5	7.1	5.5	4.6	2.4	2.2	6.1	10.2	9.4	8.5	7.8	7.8	8.6	20.2	8.1	9.2	12.0	15.4	10.5	10.6	8.3
7	14.9	11.4	10.1	7.4	4.6	7.7	4.1	3.9	2.5	2.5	4.2	7.4	7.8	4.7	14.3	14.6	10.8	11.6	9.7	19.5	14.2	8.9	5.8	6.0	8.7
8	5.5	3.7	6.4	7.8	7.2	6.8	10.2	9.6	5.9	8.6	7.7	8.2	11.1	10.9	9.8	15.7	9.1	13.3	12.3	9.4	8.2	8.2	9.1	9.2	8.9
9	8.4	7.6	6.8	8.5	7.4	7.1	8.1	7.9	7.1	5.3	5.9	6.5	6.6	8.3	5.7	8.6	10.5	7.8	8.3	10.0	9.6	10.8	9.9	12.9	8.1
10	13.9	11.8	10.6	19.2	11.7	6.4	8.0	7.1	6.9	4.5	5.9	15.6	18.5	20.5	19.9	15.3	13.6	6.5	4.2	6.2	6.7	3.2	3.5	6.5	10.3
11	4.8	4.1	3.9	5.6	8.9	10.1	10.1	9.2	4.7	4.5	4.8	5.3	8.8	11.4	12.8	17.6	13.1	12.3	10.8	8.4	6.2	10.6	9.7	10.2	8.7
12	5.3	2.7	12.7	13.8	6.6	4.1	3.7	2.9	5.1	4.6	6.0	6.8	6.4	4.7	3.1	5.3	3.8	5.1	4.7	4.2	3.7	6.6	4.7	6.0	5.5
13	9.3	7.9	7.6	7.3	8.4	8.6	2.6	4.1	2.6	3.1	5.5	10.7	24.4	18.1	16.3	17.3	14.5	12.6	15.0	16.2	23.5	23.6	22.3	24.0	12.7
14	14.9	12.8	11.2	10.4	6.8	5.9	5.6	6.6	7.1	4.3	8.1	5.6	4.1	5.5	6.9	8.0	18.1	12.2	10.2	8.8	5.4	4.0	2.8	5.8	8.0
15	6.5	5.3	5.4	4.8	5.0	3.5	4.1	5.5	3.4	2.8	3.9	4.6	7.3	7.3	9.8	19.6	9.1	15.2	11.0	7.4	7.8	5.2	4.3	4.0	6.8
16	3.1	3.1	6.3	7.5	10.1	5.8	3.8	5.3	5.0	3.5	6.2	6.9	7.3	9.7	12.7	10.5	12.9	13.5	12.4	13.9	7.6	6.0	5.1	6.8	7.7
17	5.4	2.6	3.6	5.5	5.5	2.6	3.3	2.5	4.6	5.2	5.6	5.8	6.7	7.1	8.2	7.9	12.2	15.3	11.3	12.0	24.3	14.4	8.4	4.7	7.7
18	6.4	10.6	6.0	5.2	5.5	8.5	5.0	4.1	10.0	5.7	4.4	5.4	6.8	3.8	1.8	10.9	12.9	14.1	8.8	4.3	5.2	7.0	6.0	5.7	6.8
19	7.6	6.0	6.6	7.0	4.2	4.2	4.8	5.6	5.1	4.4	4.0	2.7	5.2	6.4	6.8	4.4	10.1	9.1	5.3	8.4	10.1	7.7	6.0	5.6	6.1
20	7.0	8.7	7.4	5.6	5.5	7.2	7.5	9.3	6.4	8.6	5.9	4.0	4.8	3.9	6.1	6.6	4.7	12.1	13.2	11.3	9.9	10.0	12.8	11.6	7.9
21	11.9	8.1	5.7	4.4	5.0	5.1	3.4	4.6	4.2	3.7	3.7	6.2	3.2	5.0	15.8	6.2	12.1	9.1	6.4	5.4	7.3	8.5	5.2	6.1	6.5
22	6.8	4.6	5.0	6.0	6.5	6.8	5.6	2.2	6.4	17.2	15.4	9.7	7.7	13.9	10.7	18.1	14.2	6.5	4.1	2.4	4.6	4.7	4.6	4.7	7.9
23	6.9	9.2	6.7	5.4	4.3	4.0	2.8	4.2	3.7	3.8	3.9	5.4	6.1	5.6	6.9	9.1	6.9	5.5	6.6	5.1	6.1	3.9	5.3	5.5	5.5
24	6.4	6.3	8.3	9.4	8.2	8.6	11.2	14.0	11.9	8.6	6.7	8.7	7.8	8.2	10.0	14.8	15.7	17.0	12.1	11.4	11.5	9.6	12.0	19.6	10.7
25	15.8	13.9	10.2	8.5	7.3	6.6	4.3	5.8	6.2	5.9	10.2	11.0	13.6	13.2	12.3	19.0	17.0	14.2	14.1	19.5	15.0	10.5	11.4	6.5	11.3
26	8.2	6.8	7.2	6.4	3.8	3.9	3.8	4.2	3.0	2.8	7.0	7.9	4.4	3.1	3.4	7.9	9.4	9.9	10.8	8.2	6.7	7.2	5.8	5.5	6.1
27	5.3	6.5	6.1	4.2	3.8	9.4	5.8	6.3	3.9	2.3	2.5	4.0	5.3	4.1	1.9	3.3	4.6	11.2	10.6	10.4	7.7	4.9	3.4	2.8	5.4
28	2.9	1.4	2.8	3.2	1.5	3.0	1.2	2.5	6.9	16.5	14.4	9.6	6.1	6.7	6.1	9.2	9.4	13.2	11.1	10.7	10.3	9.9	8.3	6.1	7.2
29	5.9	6.6	6.1	6.8	6.2	6.7	5.6	3.5	2.4	2.2	3.0	2.2	3.7	8.8	7.5	10.9	9.2	9.4	10.8	8.5	11.3	8.7	19.7	19.9	7.7
30	9.5	13.1	11.3	12.3	11.4	8.2	4.3	5.4	5.6	6.8	5.2	7.0	6.5	6.7	4.9	4.2	2.9	3.9	3.4	3.8	1.3	4.5	6.4	5.7	6.4
31	5.2	4.5	6.2	7.1	7.5	6.9	5.8	3.5	3.5	5.7	5.2	4.3	3.6	3.8	6.2	9.0	5.6	12.1	13.4	11.6	13.2	10.4	10.9	9.3	7.3
HOURLY MEAN	8.4	7.5	7.2	7.4	6.6	6.3	5.6	5.9	5.7	6.1	6.6	7.1	8.0	8.4	9.1	10.8	10.4	11.2	9.4	9.2	9.4	8.3	8.1	8.6	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	13.5	15.9	12.8	25.2	14.2	20.2	19.5	15.7	12.9	20.5	17.6	13.8	24.4	18.1	19.6	13.9	24.3	14.1	10.1	13.2	15.8	18.1	9.2	19.6	19.5
MIN	4.9	6.2	2.5	1.6	2.5	2.2	2.5	3.7	5.3	3.2	3.9	2.7	2.6	2.8	2.8	3.1	2.5	1.8	2.7	3.9	3.2	2.2	2.8	6.3	4.3
DAY	26	27	28	29	30	31																			
MAX	10.8	11.2	16.5	19.9	13.1	13.4																			
MIN	2.8	1.9	1.2	2.2	1.3	3.5																			

MONTHLY AVERAGE = 8.0    MONTHLY MAXIMUM = 25.2    MONTHLY MINIMUM = 1.2  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 8/ 1/1993 TO : 8/31/1993

SIGMA THETA (DEGREES)  
AUGUST - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	3	9	8	5	6	11	12	9	13	16	40	46	30	26	27	24	25	15	14	7	8	9	23	8	16
2	6	7	8	15	8	8	45	8	13	15	14	17	18	17	24	19	25	14	12	11	6	6	55	8	16
3	9	8	6	11	7	25	19	12	52	30	30	38	29	32	35	28	28	67	10	39	26	28	7	9	24
4	6	7	5	6	18	9	33	18	23	44	40	42	24	15	14	8	11	10	10	14	25	10	58	9	19
5	7	16	25	10	9	35	9	38	20	15	20	24	21	23	12	57	15	9	28	42	9	61	10	9	22
6	11	11	11	46	16	17	10	19	39	66	22	16	23	24	28	43	14	19	59	20	10	4	6	5	22
7	5	3	4	39	24	17	19	19	37	74	42	22	28	52	39	15	15	40	18	12	5	7	12	9	23
8	48	63	13	16	7	13	8	9	23	28	25	29	17	17	44	12	31	6	4	7	5	16	14	20	20
9	8	11	4	18	16	15	7	12	17	27	48	45	47	25	54	16	10	22	4	4	7	11	8	6	18
10	16	7	4	7	11	17	13	8	13	30	45	12	15	10	16	23	17	32	34	11	14	40	22	22	18
11	30	55	17	7	10	5	5	9	29	37	44	44	31	27	17	55	20	10	9	9	24	7	8	7	21
12	26	42	47	8	14	22	18	27	16	31	22	20	15	29	54	45	26	22	26	18	70	14	29	10	27
13	13	25	7	9	6	8	48	22	33	56	60	22	7	11	10	13	11	20	7	6	7	7	7	4	17
14	5	3	4	6	25	36	9	12	13	51	27	28	20	18	16	58	17	13	19	12	64	12	38	9	21
15	7	6	7	16	33	31	21	16	36	68	59	34	29	30	52	12	47	8	15	13	15	41	26	23	27
16	64	28	21	11	3	10	11	13	30	26	22	28	41	35	19	28	13	11	10	34	28	35	27	45	25
17	24	55	18	8	6	48	26	66	36	29	30	33	26	33	24	25	18	10	5	56	18	11	72	50	30
18	38	25	45	36	57	61	31	26	34	13	20	36	18	19	41	10	9	5	18	35	21	14	11	22	27
19	7	8	13	10	23	38	13	13	16	15	36	78	55	44	24	62	51	54	12	8	8	25	10	12	27
20	8	7	5	11	26	16	8	8	12	14	25	43	35	32	18	11	45	48	43	17	27	9	9	4	20
21	8	45	14	27	49	16	16	17	32	32	43	28	50	51	14	54	32	35	34	19	6	20	51	34	30
22	36	29	23	6	9	10	21	36	27	14	20	29	41	16	28	9	10	17	18	29	18	16	50	16	22
23	20	5	53	23	41	34	59	18	31	42	51	52	32	69	35	21	26	21	13	14	44	13	22	17	31
24	14	16	6	4	5	6	4	6	9	15	20	22	22	30	26	15	8	8	5	6	7	6	5	11	
25	5	3	20	15	35	16	22	23	18	25	19	19	15	17	18	6	5	8	9	14	16	7	33	16	
26	9	6	5	22	14	7	7	18	39	31	23	10	16	26	34	10	8	6	6	5	59	32	19	28	18
27	9	11	4	11	40	12	14	20	21	39	55	28	20	34	75	49	33	9	9	8	8	15	38	56	26
28	10	63	9	20	39	19	19	24	23	7	8	12	26	39	36	25	18	9	4	5	6	6	5	9	18
29	18	12	7	9	14	19	16	21	28	37	34	51	22	22	41	26	17	4	19	56	16	11	7	6	21
30	13	8	10	16	17	10	12	17	35	20	20	24	33	32	37	41	49	36	29	39	25	20	6	20	24
31	8	11	16	8	6	5	31	22	52	33	27	52	63	53	17	16	25	9	5	6	8	5	4	2	20
HOURLY MEAN	16	20	14	15	19	19	19	19	26	32	32	32	28	29	30	27	22	19	16	18	20	17	21	17	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	46	55	67	58	61	66	74	63	54	45	55	70	60	64	68	64	72	61	78	48	54	50	69	30	35
MIN	3	6	6	5	7	4	3	4	4	4	5	8	4	3	6	3	5	5	7	4	6	6	5	4	3

  

DAY	26	27	28	29	30	31
MAX	59	75	63	56	49	63
MIN	5	4	4	4	6	2

MONTHLY AVERAGE = 22.0    MONTHLY MAXIMUM = 77.6    MONTHLY MINIMUM = 2.3  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMP  
SITE 4 FROM : 8/ 1/1993 TO : 8/31/1993

BAROMETRIC PRESSURE (INCHES)  
AUGUST - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.1	25.1	25.1	25.1	25.0	25.0	25.0	25.0	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.0
2	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.0
3	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.9
4	25.0	25.0	25.0	25.0	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.0	25.0	25.0	25.0	25.0	24.9	24.9
5	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.0	25.0	25.0	25.0	24.9	24.9	24.9
6	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8
9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.0	25.0	25.0	25.0	25.0	25.0	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.0	25.0	25.0	24.9
10	25.0	25.0	25.0	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.0	25.0	25.0	24.9
11	25.0	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
12	24.8	24.8	24.9	24.9	24.9	24.9	25.0	25.0	25.0	25.0	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
13	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.8
14	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
15	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
16	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
17	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
18	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
19	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
20	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9
21	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8
22	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.7
23	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8
24	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
25	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.7
26	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.0	25.0	25.0	24.9
27	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.0
28	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8
29	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.8	24.7
30	24.8	24.9	24.9	24.9	24.9	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.9	24.9	25.0	25.0	25.0	25.0	25.0	25.0	24.9
31	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9
HOURLY MEAN	24.9	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
MAX	25.1	25.0	25.0	25.0	25.0	24.9	24.8	24.9	25.0	25.0	25.0	25.0	24.9	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8		
MIN	24.9	24.8	25.0	24.9	24.9	24.8	24.7	24.8	24.9	24.9	24.8	24.8	24.7	24.7	24.8	24.7	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7		
DAY							26	27	28	29	30	31															
MAX							25.0	25.0	24.9	24.8	25.0	25.0															
MIN							24.9	24.9	24.7	24.6	24.8	24.8															

MONTHLY AVERAGE = 24.8    MONTHLY MAXIMUM = 25.1    MONTHLY MINIMUM = 24.6  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 8/ 1/1993 TO : 8/31/1993

TEMPERATURE (DEGREES F)  
AUGUST - 1993

.....DAILY																									
HOUR																									
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	71.3	67.8	65.3	64.4	64.9	64.6	64.3	64.7	65.4	66.8	69.3	71.1	72.3	73.8	76.0	77.3	77.1	77.4	76.7	73.3	72.2	70.8	69.0	69.6	70.2
2	67.3	64.9	64.0	61.0	59.5	60.0	63.6	64.0	64.6	65.2	65.1	65.5	67.3	67.8	70.2	70.9	70.7	70.4	68.8	66.3	62.8	61.4	61.3	57.3	65.0
3	56.1	56.3	55.8	54.7	53.7	54.0	53.7	54.0	55.8	57.1	58.5	59.7	60.3	61.8	63.3	62.9	64.0	64.2	63.7	62.9	61.9	60.1	59.3	58.7	58.9
4	58.4	57.2	56.6	56.3	54.6	53.0	55.5	58.5	62.1	65.7	68.8	72.8	75.0	74.3	74.7	73.4	72.6	67.9	59.6	57.4	56.5	57.3	58.2	57.9	62.7
5	57.3	57.2	56.8	55.8	56.0	56.2	58.8	63.3	65.6	67.0	69.5	71.3	72.3	72.6	69.4	60.6	60.9	61.6	60.4	57.4	57.7	57.1	57.2	57.3	61.6
6	54.2	53.2	53.3	52.3	50.6	52.0	53.7	57.1	62.0	67.0	71.7	75.0	77.7	79.2	79.8	78.2	77.6	70.9	66.4	65.6	65.3	64.9	63.9	63.3	64.8
7	62.8	61.5	60.5	59.2	59.2	58.8	59.3	63.2	68.3	73.0	76.9	80.6	84.0	85.4	82.1	82.4	82.7	79.7	76.8	74.0	71.0	68.6	66.6	66.4	71.0
8	65.7	62.9	62.0	61.8	60.8	60.7	63.5	70.8	77.9	82.7	84.2	85.2	85.1	85.6	83.9	80.0	78.4	76.7	72.8	68.5	66.9	66.8	67.6	65.2	72.3
9	64.1	62.8	61.8	61.0	60.1	59.5	63.6	69.6	75.9	80.6	83.6	85.0	86.2	86.7	87.1	86.0	85.6	85.7	82.3	79.6	78.4	76.3	74.4	75.1	75.5
10	74.2	71.7	70.6	71.6	71.8	69.6	70.3	72.4	74.7	78.4	81.3	79.8	80.2	79.8	75.4	72.2	67.5	63.7	63.7	62.0	61.9	62.8	62.6	61.8	70.8
11	59.6	58.0	58.1	59.1	60.2	60.9	62.7	67.4	73.4	77.7	80.2	82.2	83.4	83.7	82.1	70.1	71.7	73.4	74.5	71.1	71.5	71.1	69.8	70.3	70.5
12	67.4	65.7	63.9	60.5	58.8	58.0	59.1	59.6	60.3	62.3	64.5	64.3	63.5	63.5	64.5	63.0	62.9	64.3	63.8	63.0	62.3	61.3	61.0	60.9	62.4
13	61.8	60.7	60.5	59.6	60.0	60.6	61.3	63.9	68.3	73.6	77.5	81.2	83.1	85.4	85.3	83.0	79.5	78.0	76.6	76.6	76.0	76.2	75.5	74.3	72.4
14	73.0	71.2	69.1	66.9	65.9	63.9	66.0	68.4	71.8	76.5	77.3	77.7	78.5	78.9	80.3	80.1	73.9	71.0	71.2	70.2	68.8	67.7	66.7	64.7	71.7
15	61.4	60.2	59.4	57.5	57.9	57.3	60.0	63.3	67.8	72.3	75.5	78.7	80.8	82.8	82.2	76.3	79.1	77.3	73.1	67.2	63.1	62.4	62.8	61.4	68.3
16	59.7	58.9	57.9	57.1	56.4	56.3	59.2	64.4	69.6	75.5	81.1	84.2	85.6	87.4	89.4	89.8	89.4	88.7	86.1	81.3	77.6	79.5	78.2	76.4	74.6
17	72.3	68.4	67.7	66.5	64.8	63.2	64.8	69.2	74.7	77.1	80.0	81.8	83.9	86.4	87.7	87.4	86.8	84.4	82.0	79.9	72.3	74.0	75.4	73.2	76.0
18	70.2	68.6	66.5	65.3	66.5	66.2	66.4	65.1	63.8	65.5	71.4	75.3	74.7	75.2	75.5	74.1	73.6	70.8	68.6	67.3	65.4	63.9	63.5	63.5	68.6
19	62.7	62.2	62.2	61.5	60.7	59.1	57.3	58.7	61.5	65.1	68.8	73.6	77.1	80.0	79.3	75.6	69.6	67.8	68.8	68.9	67.0	65.9	64.8	63.5	66.7
20	62.2	60.7	60.1	59.6	59.6	57.6	57.2	58.8	60.5	62.1	65.1	69.8	72.5	74.1	76.3	76.2	76.1	70.0	62.8	64.7	65.1	64.8	64.2	63.8	65.2
21	63.4	62.3	61.2	60.7	59.5	57.3	59.4	62.5	66.2	70.5	74.3	75.9	74.3	76.7	75.0	72.4	72.5	70.7	68.2	64.9	63.1	63.2	62.3	60.2	66.5
22	58.6	58.2	58.3	58.3	59.2	59.8	61.5	62.8	67.6	74.0	77.0	76.4	77.9	77.5	79.3	78.4	77.5	77.4	74.8	72.5	70.6	68.7	66.1	65.2	69.1
23	62.8	61.0	58.9	58.0	55.9	54.6	56.5	61.0	66.3	71.8	75.7	78.2	80.1	82.3	83.6	84.2	84.6	83.4	79.3	76.3	74.2	69.8	68.1	67.8	70.6
24	64.7	63.8	62.5	61.4	59.2	59.9	63.0	69.2	75.3	81.1	84.9	86.1	88.0	89.2	89.6	89.7	88.9	87.1	83.0	78.1	74.3	72.3	73.8	74.6	75.8
25	71.8	69.7	68.5	66.0	65.4	64.7	67.0	69.7	74.0	78.0	80.9	81.4	82.6	85.8	86.9	84.7	82.5	79.4	76.6	72.4	69.2	65.8	63.3	61.4	73.7
26	60.7	59.6	58.5	58.9	58.7	58.9	60.3	62.4	64.8	66.4	67.2	67.0	67.8	68.1	68.1	66.1	67.2	67.3	65.4	62.7	60.5	58.7	57.7	56.0	62.9
27	57.1	56.8	56.7	56.4	54.3	50.7	51.5	53.3	54.7	56.5	58.7	59.9	61.3	62.0	63.1	65.0	66.9	66.9	65.1	64.8	63.2	62.4	61.3	60.4	59.5
28	59.4	59.1	57.9	57.3	56.2	56.5	57.6	59.5	63.6	69.4	73.1	74.7	78.0	79.5	80.5	80.3	80.2	77.9	73.0	68.8	67.6	65.8	65.2	63.6	67.7
29	61.8	60.5	60.1	59.2	58.4	58.5	62.0	65.9	67.9	73.4	75.3	76.9	78.1	80.4	81.8	81.1	80.3	78.5	75.5	73.0	69.3	66.6	63.3	56.1	69.3
30	53.7	52.7	52.0	50.6	49.7	48.3	48.7	49.6	50.1	50.6	50.8	51.9	54.1	56.0	57.0	58.2	59.7	58.6	56.5	54.9	53.8	52.9	51.5	50.9	53.0
31	48.0	49.3	49.5	49.5	50.2	50.7	53.3	55.9	58.9	60.3	63.1	65.4	68.5	71.1	70.6	69.8	69.9	69.4	67.3	66.5	65.4	64.2	61.6	60.2	60.8
HOURLY																									
MEAN	62.7	61.4	60.5	59.6	59.0	58.4	60.0	62.8	66.2	69.8	72.6	74.5	75.9	77.2	77.4	75.8	75.2	73.6	71.1	68.8	66.9	65.9	65.0	63.9	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	77.4	70.9	64.2	75.0	72.6	79.8	85.4	85.6	87.1	81.3	83.7	67.4	85.4	80.3	82.8	89.8	87.7	75.5	80.0	76.3	76.7	79.3	84.6	89.7	86.9
MIN	64.3	57.3	53.7	53.0	55.8	50.6	58.8	60.7	59.5	61.8	58.0	58.0	59.6	63.9	57.3	56.3	63.2	63.5	57.3	57.2	57.3	58.2	54.6	59.2	61.4
DAY	26	27	28	29	30	31																			
MAX	68.1	66.9	80.5	81.8	59.7	71.1																			
MIN	56.0	50.7	56.2	56.1	48.3	48.0																			

MONTHLY AVERAGE = 67.7    MONTHLY MAXIMUM = 89.8    MONTHLY MINIMUM = 48.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 8/ 1/1993 TO : 8/31/1993

PRECIPITATION (.01 INCHES)  
AUGUST - 1993

DAY	HOUR																								DAILY TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	11	6	0	0	1	0	19
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	1	0	0	0	0	4
11	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	72	0	0	0	0	0	0	0	0	73
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	6	0	10
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7	2	0	0	0	0	0	0	16
20	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	2
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MONTHLY TOTAL (INCHES)= 1.30 MONTHLY MAXIMUM (INCHES)= .72  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744 VALID DATA RECOVERY RATE = 100.0% OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING CAL IS CALIBRATION CODE



ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 1 FROM : 8/ 1/1993 TO : 8/31/1993

RELATIVE HUMIDITY (PERCENT)  
AUGUST - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	43.9	62.3	73.2	79.7	78.0	77.8	77.9	75.8	70.8	67.6	61.9	56.4	53.5	48.8	46.3	44.1	43.6	43.7	43.6	43.6	42.7	47.3	54.7	54.3	58.0
2	59.0	66.8	71.2	76.2	75.5	71.8	63.3	61.8	68.3	65.9	65.1	63.0	61.7	62.4	57.2	54.9	53.2	48.8	48.4	52.7	58.5	64.2	66.1	77.1	63.0
3	89.8	88.6	84.5	90.2	91.4	89.3	89.8	90.9	82.7	73.7	73.3	69.4	66.2	62.2	58.6	57.8	56.3	55.2	55.7	57.8	60.9	64.9	70.5	74.4	73.1
4	80.6	85.6	89.7	92.3	93.5	98.6	92.4	81.7	73.7	65.5	58.6	51.0	43.5	45.5	41.5	40.3	39.5	46.3	77.3	84.3	85.6	83.4	78.6	77.0	71.1
5	81.6	82.2	87.7	92.3	92.7	92.7	85.5	67.7	60.9	56.3	49.6	46.8	43.5	42.1	49.1	82.3	92.2	87.5	88.7	98.9	99.2	99.1	96.8	91.8	77.8
6	93.9	94.0	94.6	96.6	101.8	103.4	103.1	98.0	87.3	78.9	59.2	36.4	28.6	25.6	23.2	23.5	23.2	37.5	52.0	52.5	54.5	55.1	57.1	56.9	64.0
7	61.8	67.2	72.3	75.5	70.5	70.0	63.6	56.9	53.8	46.3	38.7	29.0	18.5	14.8	25.4	25.6	23.7	26.9	32.2	37.1	38.6	42.3	46.4	49.7	45.3
8	52.0	60.0	65.2	69.4	70.5	70.1	62.8	44.5	36.1	27.2	23.5	22.0	21.6	18.3	20.2	22.6	26.9	35.4	41.0	53.9	57.0	57.3	56.3	58.0	44.7
9	57.9	57.9	58.9	58.5	58.2	58.6	51.9	42.7	36.6	26.0	20.3	16.0	14.7	14.4	13.6	14.4	14.5	14.4	15.4	17.5	18.6	24.5	34.9	36.6	32.4
10	41.0	49.1	48.5	44.5	43.9	49.2	48.5	46.7	43.2	39.0	37.9	39.7	39.2	40.4	49.8	60.8	68.2	90.8	91.0	97.7	99.8	99.4	99.4	99.1	61.1
11	99.0	100.3	100.7	101.4	101.3	100.0	93.4	75.2	50.5	36.4	30.3	25.9	23.9	22.7	26.8	55.8	56.7	48.5	44.2	51.0	51.7	51.6	54.3	51.7	60.6
12	55.6	56.2	62.8	78.8	90.0	92.6	92.9	91.7	90.5	86.7	81.7	80.9	80.6	81.3	79.5	84.4	89.2	83.4	89.5	93.4	97.3	98.2	98.5	98.9	84.8
13	97.3	96.7	97.3	98.2	98.4	97.6	97.4	89.2	79.3	63.1	58.7	39.6	28.7	19.7	16.5	18.9	19.6	22.6	26.7	27.5	22.7	20.6	20.7	21.4	53.3
14	22.8	25.1	29.1	37.8	42.7	43.5	43.5	41.7	39.0	30.9	27.6	27.3	26.6	25.7	23.3	22.7	30.4	34.3	34.2	35.8	37.8	40.3	41.0	43.9	33.6
15	59.8	66.2	65.7	74.6	74.4	79.5	71.0	58.8	52.0	42.2	35.1	23.8	11.9	11.1	10.6	10.1	10.0	10.3	10.5	11.3	16.2	24.1	21.6	21.7	28.5
16	85.5	87.1	88.3	88.4	88.8	80.8	74.0	53.2	42.2	35.1	23.8	11.9	11.1	10.6	10.1	10.0	10.3	10.5	11.3	16.2	24.1	21.6	21.7	28.5	39.4
17	33.3	41.5	42.8	40.5	39.3	44.9	44.5	39.3	36.8	30.9	23.5	17.0	15.6	13.1	11.4	11.5	12.5	15.7	17.7	21.9	38.4	34.9	31.8	36.0	28.9
18	43.5	51.3	65.4	65.8	65.1	67.7	73.4	79.2	87.4	71.0	59.0	51.0	49.7	43.5	40.9	41.4	40.1	46.1	50.4	54.4	60.6	64.3	70.6	71.3	58.9
19	70.9	71.8	74.3	74.1	77.0	86.0	91.8	91.5	88.1	79.2	66.7	56.9	43.8	39.7	38.1	41.9	60.3	70.6	70.6	67.2	62.7	62.4	62.5	64.9	67.2
20	70.4	74.6	75.5	75.7	75.7	95.3	101.4	100.7	98.3	96.1	91.4	78.1	66.8	62.5	55.5	51.3	49.9	65.3	89.8	88.4	83.2	82.6	77.6	77.6	78.5
21	81.9	87.7	93.6	94.8	97.7	99.3	97.1	90.9	85.4	72.5	62.6	57.5	59.6	49.9	43.6	46.9	46.1	49.0	57.5	65.5	80.7	81.0	82.4	91.7	74.0
22	94.1	94.3	93.2	95.3	92.9	84.5	78.7	80.5	70.5	31.0	18.8	19.0	18.0	17.8	16.2	16.7	17.9	17.7	22.1	25.9	28.9	35.7	38.0	38.4	47.8
23	41.3	42.8	51.9	53.1	60.0	68.2	65.2	60.3	48.7	38.9	31.6	24.5	19.4	18.0	16.6	15.6	15.1	17.0	23.1	24.8	30.0	38.8	42.0	42.0	37.0
24	44.4	43.1	43.9	43.9	44.8	45.3	43.0	37.0	29.0	19.8	11.7	11.3	10.9	10.5	10.7	11.0	11.4	12.0	13.9	18.7	23.5	28.0	28.1	27.2	26.0
25	31.0	35.2	39.0	42.1	41.8	43.4	42.8	41.7	38.8	35.7	30.4	32.8	33.5	31.2	26.5	29.4	30.4	32.6	35.7	37.1	39.9	47.0	49.1	60.0	37.8
26	66.7	71.4	77.1	80.0	85.5	86.0	82.2	74.2	65.2	58.2	57.9	57.3	54.1	54.8	55.9	63.8	61.0	61.3	62.7	63.7	71.1	87.6	88.3	91.7	69.9
27	90.9	92.1	92.9	93.9	98.5	102.4	101.6	98.9	96.6	92.9	88.3	81.9	79.0	77.5	77.4	72.8	68.3	62.5	64.4	60.3	62.2	69.2	71.4	74.3	82.1
28	87.9	89.6	92.3	92.5	93.3	93.2	92.6	89.9	75.9	50.5	39.2	34.0	22.9	16.5	15.4	15.0	15.5	18.6	27.1	36.5	41.2	46.9	49.3	53.1	53.7
29	58.7	62.8	63.8	64.0	59.9	58.0	55.6	44.2	42.2	34.2	27.2	25.7	23.3	19.7	16.0	16.1	16.2	17.0	21.1	28.4	33.4	39.5	51.9	65.6	39.4
30	75.4	78.6	79.4	79.0	82.4	87.2	83.2	77.7	73.6	71.8	70.0	66.8	55.9	47.3	45.3	44.1	42.9	43.4	45.2	49.8	52.9	54.1	59.7	58.6	63.5
31	68.1	68.1	67.7	70.7	70.1	70.7	69.4	65.4	60.9	57.9	53.0	48.0	43.8	41.0	40.3	41.8	42.9	44.2	45.2	43.6	46.3	48.5	56.0	62.8	55.3
HOURLY																									
MEAN	65.8	69.4	72.3	74.8	76.0	77.7	75.3	69.3	63.4	54.2	47.7	42.2	38.1	35.3	34.5	37.5	38.8	41.4	46.1	50.3	53.9	56.8	58.9	61.7	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	79.7	77.1	91.4	98.6	99.2	103.4	75.5	70.5	58.9	99.8	101.4	98.9	98.4	43.9	79.5	88.8	44.9	87.4	91.8	101.4	99.3	95.3	68.2	45.3	60.0
MIN	42.7	48.4	55.2	39.5	42.1	23.2	14.8	18.3	13.6	37.9	22.7	55.6	16.5	22.7	17.0	10.0	11.4	40.1	38.1	49.9	43.6	16.2	15.1	10.5	26.5

DAY	26	27	28	29	30	31
MAX	91.7	102.4	93.3	65.6	87.2	70.7
MIN	54.1	60.3	15.0	16.0	42.9	40.3

MONTHLY AVERAGE = 55.9    MONTHLY MAXIMUM = 103.4    MONTHLY MINIMUM = 10.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

MAXIMUM WIND SPEED (MPH)  
AUGUST - 1993

DAILY MAXIMUMS AND MINIMUMS

MONTHLY AVERAGE = 13.6      MONTHLY MAXIMUM = 40.6      MONTHLY MINIMUM = 3.4

MONTHLY AVERAGE = 13.6 MONTHLY MAXIMUM = 40.8 MONTHLY MINIMUM = 3.4  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744 VALID DATA RECOVERY RATE = 100.0% OPERATIONAL RECOVERY RATE = 100.0%

\*\*\* IS INVALID OR MISSING

CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 1 FROM : 8/ 1/1993 TO : 8/31/1993

10M-2M TEMPERATURE DIFFERENCE  
AUGUST - 1993

.....DAILY																									
.....DAILY																									
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	.9	.9	1.2	.6	.1	.0	-.2	-.7	-1.2	-1.4	-1.1	-.9	-1.1	-1.2	-.9	-.9	-.7	-.4	.3	1.0	.3	1.0	.7	.7	-.1
2	.8	2.1	3.8	3.4	3.5	3.7	-.3	-1.5	-1.8	-1.7	-1.4	-1.8	-1.6	-1.5	-1.9	-1.7	-1.2	-.5	.3	1.0	1.5	.3	.1	.1	.2
3	.1	.0	.0	-.0	-.0	.0	-.2	-.4	-.3	-.5	-.7	-.5	-.4	-.6	-.7	-.2	-.3	-.2	.0	.3	.4	2.9	4.6	5.5	.4
4	1.6	1.6	2.4	4.1	4.4	1.8	-.1	-.8	-1.1	-1.4	-1.4	-1.9	-1.9	-2.2	-.8	-.7	-1.0	.4	.6	1.3	2.1	1.0	1.0	1.0	.4
5	.3	.7	1.7	1.2	2.0	2.9	-.1	-.6	-1.5	-1.9	-2.3	-2.1	-1.9	-1.4	.5	.2	-.3	-.2	.1	.4	.7	.8	1.3	2.5	.1
6	2.0	1.4	1.6	1.8	.4	.0	-.3	-.6	-.8	-1.1	-1.4	-1.6	-1.5	-1.3	-.8	-.2	.0	.6	.8	3.2	3.2	1.6	2.7	3.2	.5
7	1.7	2.4	3.4	3.2	5.1	4.9	1.3	-.5	-.8	-1.0	-1.3	-1.4	-1.3	-.7	-1.2	-2.0	-.2	.0	1.1	.6	.8	2.4	3.9	4.6	1.0
8	2.5	3.2	4.1	3.5	3.0	3.0	-.0	-.5	-.6	-1.4	-1.6	-1.4	-1.2	-1.0	-.8	-.4	-.0	-.1	.5	1.8	2.8	2.4	2.4	4.0	1.0
9	3.9	3.6	3.8	3.0	4.1	4.1	-.1	-.5	-.7	-.9	-1.2	-1.5	-1.5	-1.2	-.9	-.4	-.2	-.0	1.6	1.0	.9	1.3	.7	.9	.8
10	.5	.6	.9	.5	.7	1.5	.6	-.2	-.5	-.7	-1.7	-2.4	-2.5	-1.9	-.6	.4	.0	-.1	.4	.2	.3	.6	.4	.6	-.1
11	.6	1.2	2.3	2.8	1.3	1.1	.2	-.3	-.5	-1.2	-1.4	-1.4	-1.6	-2.0	-.4	1.9	.1	.2	1.2	3.5	4.9	3.5	2.2	2.6	.9
12	2.7	4.4	3.3	1.0	1.7	1.8	.1	-.1	-.6	-1.0	-1.1	-.9	-.3	-.2	-.2	.4	.2	.1	.3	1.3	.9	.6	.7	.8	.7
13	.6	1.1	1.7	1.0	1.1	1.1	-.1	-.6	-.6	-.8	-1.1	-.9	-1.1	-1.4	-.8	.0	.3	.5	.8	1.0	.8	.7	.8	.8	.2
14	1.3	2.2	2.6	2.7	3.6	4.6	.8	-.3	-.4	-.6	-1.1	-.7	-.6	-.4	-.7	-.3	.1	.3	.5	1.2	1.9	2.3	4.6	6.4	1.3
15	3.9	4.3	4.5	3.6	2.4	2.7	.3	-.9	-1.1	-1.1	-1.1	-1.2	-1.3	-1.3	-.8	-.9	-1.0	-.2	.6	1.4	1.2	2.7	2.8	3.6	1.0
16	4.1	6.0	5.1	3.8	2.7	3.3	.1	-.5	-.7	-.8	-1.0	-1.2	-1.1	-1.3	-1.3	-1.0	-.5	.3	1.3	1.6	2.8	3.3	6.3	7.0	1.6
17	3.6	5.5	6.8	5.9	6.4	5.6	3.2	-.3	-1.0	-1.2	-1.1	-1.2	-1.2	-1.3	-1.2	-1.0	-.7	.1	.5	.6	.4	.6	1.3	2.2	1.3
18	1.7	.8	.8	1.5	2.2	1.0	.7	.4	.3	-.4	-1.0	-1.7	-.9	-.2	.0	-.3	-.6	-.0	.6	2.1	3.4	2.9	3.1	4.0	.8
19	3.1	2.9	3.0	3.5	3.7	3.2	.5	-.4	-.9	-1.0	-.9	-1.3	-1.1	-1.4	-.4	2.1	1.3	.5	1.7	3.4	2.9	3.3	4.0	4.1	1.5
20	3.5	3.0	3.8	3.3	4.1	1.5	.1	-.2	-.5	-1.0	-1.3	-1.1	-.7	-.6	-.9	-.3	.5	.8	1.0	.9	1.3	1.6	1.3	1.0	.9
21	1.1	1.3	1.2	1.7	2.5	1.8	-.0	-.5	-.8	-1.0	-1.1	-1.0	.2	-.6	-.5	-.0	-.2	.1	1.3	2.5	2.5	3.0	2.3	2.6	.8
22	1.4	2.4	3.6	1.7	1.3	1.8	.9	.2	-.9	-.9	-1.6	-.8	-.6	-1.7	-1.3	-1.2	-.8	.2	1.3	5.5	5.4	4.7	3.9	6.4	1.3
23	5.8	5.1	2.9	6.7	5.9	4.3	-.4	-.3	-.6	-.8	-1.0	-1.1	-1.2	-1.4	-1.4	-1.2	-.7	.1	2.2	2.4	5.2	5.2	6.2	6.2	2.0
24	4.8	4.6	4.3	4.8	5.0	3.8	.3	-.6	-.9	-.9	-.9	-1.3	-1.2	-1.0	-.9	-1.0	-.4	.3	1.2	1.6	1.5	2.7	2.0	.9	1.2
25	1.1	1.2	3.5	5.3	4.2	2.6	.2	-.6	-1.0	-1.4	-1.8	-2.0	-2.0	-1.9	-1.8	-1.7	-.5	.3	.8	.7	.8	1.0	.8	1.4	.4
26	1.2	1.8	2.1	2.5	1.7	1.6	-.5	-.2	-.3	-.2	-.3	.0	-.1	-.1	.0	.6	-.5	.0	.8	3.0	3.1	2.2	3.0	2.7	1.0
27	3.4	2.7	2.3	3.1	3.5	.9	.2	-.3	-.5	-.5	-.8	-.6	-.7	-.3	-.3	-.6	-.5	-.1	.3	.6	1.0	.9	1.8	1.7	.7
28	2.0	2.7	2.5	1.4	2.2	2.7	.8	-.1	-.5	-.9	-1.0	-.8	-1.3	-1.2	-.9	-1.1	-.7	-.0	1.5	3.2	3.8	3.0	4.2	3.3	1.0
29	3.7	3.4	4.2	5.1	5.6	4.9	1.2	-.3	-.3	-.7	-.8	-.3	-.5	-1.2	-.9	-.6	-.3	.7	1.1	1.4	.6	1.4	.6	.3	1.2
30	.4	.3	.1	.1	.1	.6	.4	-.1	-.3	-.6	-.5	-1.0	-1.5	-1.5	-1.1	-.8	-.5	-.3	1.7	2.6	2.1	5.2	2.8	2.4	.4
31	.2	.3	.1	.1	.1	.0	-.1	-.6	-.7	-1.1	-1.2	-1.3	-1.2	-1.0	-.6	-.7	-.6	-.1	.4	.7	.8	1.0	1.2	1.7	-.1
HOURLY																									
MEAN	2.1	2.4	2.7	2.7	2.7	2.4	.3	-.4	-.7	-1.0	-1.2	-1.2	-1.1	-1.1	-.8	-.4	-.3	.1	.9	1.7	1.9	2.1	2.4	2.7	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	1.2	3.8	5.5	4.4	2.9	3.2	5.1	4.1	4.1	1.5	4.9	4.4	1.7	6.4	4.5	7.0	6.8	4.0	4.1	4.1	3.0	6.4	6.7	5.0	5.3
MIN	-1.4	-1.9	-.7	-2.2	-2.3	-1.6	-2.0	-1.6	-1.5	-2.5	-2.0	-1.1	-1.4	-1.1	-1.3	-1.3	-1.3	-1.7	-1.4	-1.3	-1.1	-1.7	-1.4	-1.3	-2.0
DAY	26	27	28	29	30	31																			
MAX	3.1	3.5	4.2	5.6	5.2	1.7																			
MIN	-.5	-.8	-1.3	-1.2	-1.5	-1.3																			

MONTHLY AVERAGE = .8    MONTHLY MAXIMUM = 7.0    MONTHLY MINIMUM = -2.5  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 3 FROM : 8/ 1/1993 TO : 8/31/1993

SOLAR RADIATION (LANGLEYS/HR)  
AUGUST - 1993

HOUR																									
DAILY																									
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	.0	.0	.0	.0	.0	.0	.1	.3	.4	.7	.7	.8	1.0	.8	.8	.9	.4	.3	.1	.0	.0	.0	.0	.0	.3
2	.0	.0	.0	.0	.0	.1	.3	.6	.9	.8	1.0	.9	1.3	1.5	1.1	.8	.6	.3	.0	.0	.0	.0	.0	.0	.4
3	.0	.0	.0	.0	.0	.0	.1	.1	.2	.3	.5	.3	.3	.4	.5	.1	.3	.1	.0	.0	.0	.0	.0	.0	.1
4	.0	.0	.0	.0	.0	.1	.3	.6	.9	1.1	1.3	1.4	1.1	.9	.3	.4	.5	.0	.0	.0	.0	.0	.0	.0	.4
5	.0	.0	.0	.0	.0	.1	.3	.6	.9	1.2	1.4	1.4	1.1	.7	.1	.2	.4	.3	.0	.0	.0	.0	.0	.0	.4
6	.0	.0	.0	.0	.0	.0	.2	.6	.9	1.2	1.4	1.5	1.5	1.4	.9	.3	.2	.0	.1	.0	.0	.0	.0	.0	.4
7	.0	.0	.0	.0	.0	.1	.2	.6	.9	1.1	1.3	1.5	1.2	.8	.7	1.0	.3	.2	.0	.0	.0	.0	.0	.0	.4
8	.0	.0	.0	.0	.0	.0	.3	.6	.9	1.2	1.3	1.0	.7	.5	.7	.2	.2	.3	.0	.0	.0	.0	.0	.0	.3
9	.0	.0	.0	.0	.0	.1	.3	.6	.9	1.1	1.3	1.4	1.5	1.1	.9	.5	.3	.2	.0	.0	.0	.0	.0	.0	.4
10	.0	.0	.0	.0	.0	.0	.1	.3	.4	1.0	1.2	1.1	1.1	1.0	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3
11	.0	.0	.0	.0	.0	.1	.3	.6	.9	1.1	1.3	1.4	1.4	1.4	.4	.5	.4	.3	.1	.0	.0	.0	.0	.0	.4
12	.0	.0	.0	.0	.0	.0	.1	.1	.4	.8	1.2	.5	.2	.1	.2	.0	.1	.1	.0	.0	.0	.0	.0	.0	.2
13	.0	.0	.0	.0	.0	.0	.2	.5	.8	1.0	1.0	.9	1.2	1.1	.7	.3	.2	.1	.0	.0	.0	.0	.0	.0	.3
14	.0	.0	.0	.0	.0	.0	.2	.4	.5	.8	.9	.7	.6	.5	.6	.4	.1	.1	.0	.0	.0	.0	.0	.0	.2
15	.0	.0	.0	.0	.0	.0	.3	.6	.9	1.1	1.3	1.4	1.4	1.3	.6	.7	.6	.3	.0	.0	.0	.0	.0	.0	.4
16	.0	.0	.0	.0	.0	.0	.3	.6	.9	1.1	1.3	1.4	1.4	1.3	1.2	.8	.5	.2	.1	.0	.0	.0	.0	.0	.5
17	.0	.0	.0	.0	.0	.0	.1	.4	.9	1.1	1.2	1.2	1.4	1.3	1.2	.8	.6	.2	.0	.0	.0	.0	.0	.0	.4
18	.0	.0	.0	.0	.0	.0	.1	.0	.2	.7	1.1	1.3	.9	.2	.1	.2	.4	.1	.0	.0	.0	.0	.0	.0	.2
19	.0	.0	.0	.0	.0	.0	.1	.3	.5	.6	.8	1.2	1.3	1.3	.5	.1	.1	.2	.0	.0	.0	.0	.0	.0	.3
20	.0	.0	.0	.0	.0	.0	.1	.2	.3	.7	1.2	1.2	1.0	.6	.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3
21	.0	.0	.0	.0	.0	.0	.3	.4	.8	1.1	1.1	1.2	.2	.9	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.3
22	.0	.0	.0	.0	.0	.0	.1	.2	.7	.8	1.3	1.1	1.0	1.3	1.1	.8	.5	.2	.0	.0	.0	.0	.0	.0	.4
23	.0	.0	.0	.0	.0	.0	.2	.5	.8	1.1	1.3	1.4	1.4	1.3	1.1	.8	.5	.2	.0	.0	.0	.0	.0	.0	.4
24	.0	.0	.0	.0	.0	.0	.2	.5	.9	1.1	1.3	1.4	1.4	1.3	1.1	.8	.5	.2	.0	.0	.0	.0	.0	.0	.4
25	.0	.0	.0	.0	.0	.0	.3	.6	.8	1.1	1.3	1.4	1.3	1.2	1.1	.8	.3	.1	.0	.0	.0	.0	.0	.0	.4
26	.0	.0	.0	.0	.0	.0	.2	.2	.4	.3	.3	.1	.2	.2	.1	.2	.4	.2	.0	.0	.0	.0	.0	.0	.1
27	.0	.0	.0	.0	.0	.0	.1	.1	.2	.3	.5	.5	.4	.3	.3	.6	.4	.1	.0	.0	.0	.0	.0	.0	.2
28	.0	.0	.0	.0	.0	.0	.1	.2	.4	.7	.7	.7	1.3	1.2	1.0	.6	.5	.2	.0	.0	.0	.0	.0	.0	.3
29	.0	.0	.0	.0	.0	.0	.2	.4	.4	.7	.6	.4	.5	1.2	1.1	.6	.3	.1	.0	.0	.0	.0	.0	.0	.3
30	.0	.0	.0	.0	.0	.0	.0	.1	.2	.4	.2	.6	.8	.9	.6	.4	.4	.1	.0	.0	.0	.0	.0	.0	.2
31	.0	.0	.0	.0	.0	.0	.2	.6	.7	1.1	1.2	1.1	1.3	.7	.4	.3	.3	.1	.0	.0	.0	.0	.0	.0	.3
HOURLY MEAN	.0	.0	.0	.0	.0	.0	.2	.4	.6	.9	1.1	1.0	1.0	.9	.7	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	1.0	1.5	.5	1.4	1.4	1.5	1.5	1.3	1.5	1.2	1.4	1.2	1.2	.9	1.4	1.4	1.4	1.3	1.3	1.2	1.2	1.3	1.4	1.4	1.4
MIN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

  

DAY	26	27	28	29	30	31
MAX	.4	.6	1.3	1.2	.9	1.3
MIN	.0	.0	.0	.0	.0	.0

MONTHLY AVERAGE = .3    MONTHLY MAXIMUM = 1.5    MONTHLY MINIMUM = -.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 8/ 1/1993 TO : 8/31/1993

OZONE (PPB)  
AUGUST - 1993

DAY	HOUR																								DAILY
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	31	32	35	34	36	36	36	36	38	42	46	48	47	51	53	52	51	51	50	41	35	32	32	39	41
2	38	36	29	10	11	6	14	28	36	40	40	44	47	48	52	53	51	48	45	40	33	26	31	32	35
3	30	30	30	24	25	29	33	26	30	27	23	29	32	38	38	37	39	40	36	29	19	10	2	3	28
4	27	26	24	23	13	2	6	17	27	33	46	59	73	CAL	56	46	42	38	31	31	27	27	29	25	32
5	18	14	13	5	12	16	10	18	33	42	47	50	49	48	44	31	39	39	36	34	23	13	15	19	28
6	13	18	16	13	2	5	13	20	25	25	36	47	55	60	62	59	55	50	46	22	14	26	23	21	30
7	25	24	23	22	19	12	8	27	32	38	51	58	65	61	72	71	67	53	46	47	43	35	24	8	39
8	6	14	14	14	1	4	17	30	26	51	57	65	68	52	59	43	46	54	50	36	29	24	25	23	34
9	21	20	19	19	10	4	8	15	18	44	53	53	59	60	56	56	55	56	50	41	33	36	37	39	36
10	43	40	39	36	35	26	18	24	26	35	45	50	64	63	56	51	45	41	37	33	30	26	18	22	38
11	27	21	16	12	4	4	11	18	26	43	52	55	55	55	57	52	44	42	39	33	25	3	5	30	30
12	24	22	17	22	18	11	17	24	25	31	36	36	36	36	38	31	21	15	7	3	1	5	7	8	20
13	36	30	29	27	25	24	16	17	26	37	46	57	52	59	56	47	35	28	26	35	32	29	31	34	35
14	30	28	30	30	30	21	23	24	28	43	52	58	***	***	***	***	***	***	***	***	31	32	30	9	31
15	6	8	6	3	2	2	9	28	35	47	55	56	60	57	54	44	52	48	43	40	33	32	26	25	32
16	19	15	3	1	2	4	8	17	25	34	44	CAL	CAL	CAL	CAL	CAL	65	57	47	35	33	26	34	42	27
17	38	35	18	7	5	3	10	26	40	45	57	63	65	62	60	59	61	55	48	45	51	53	51	40	41
18	11	30	24	21	13	15	24	16	15	27	42	CAL	CAL	CAL	60	45	38	33	39	37	28	18	26	26	28
19	23	18	17	19	14	5	2	9	16	26	34	47	67	76	62	51	48	45	31	22	25	19	20	16	30
20	16	18	9	15	7	2	9	17	20	26	37	61	79	90	99	96	85	56	39	35	35	16	26	25	38
21	25	25	23	24	15	4	9	24	32	45	53	62	61	55	47	36	22	32	26	22	20	12	10	12	29
22	14	9	5	1	1	3	9	15	27	52	58	59	59	59	58	55	54	52	46	43	20	9	19	21	31
23	5	2	18	13	15	7	13	23	21	39	48	58	68	72	76	77	77	69	56	48	45	26	13	5	37
24	13	21	30	28	19	17	17	24	37	42	56	64	66	65	73	68	65	60	51	42	37	36	37	51	42
25	51	47	41	27	5	8	15	31	43	53	65	76	73	68	65	66	58	47	43	44	40	35	35	33	44
26	27	27	23	23	24	24	20	22	32	35	16	26	28	25	16	20	27	28	28	20	14	11	14	11	23
27	1	1	1	1	1	1	8	17	22	27	31	39	39	39	43	45	50	46	34	30	26	14	14	15	23
28	9	23	13	1	1	6	11	8	16	33	46	48	58	64	64	60	58	52	44	37	28	27	17	12	31
29	15	18	19	11	3	5	18	36	40	46	53	56	54	56	60	62	60	52	39	23	42	36	34	26	36
30	23	24	23	26	24	23	23	26	27	31	29	30	35	38	41	43	44	41	37	38	42	33	11	7	30
31	6	10	9	13	16	12	12	14	20	27	34	42	52	58	55	43	40	40	28	28	24	22	20	20	27
HOURLY																									
MEAN	22	22	20	17	13	11	14	22	28	38	45	51	56	56	56	52	50	46	39	34	30	24	23	23	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	53	53	40	73	50	62	72	68	60	64	57	38	59	58	60	65	65	60	76	99	62	59	77	73	76
MIN	31	6	2	2	5	2	8	1	4	18	3	1	16	9	2	1	3	11	2	2	4	1	2	13	5
DAY	26	27	28	29	30	31																			
MAX	35	50	64	62	44	58																			
MIN	11	1	1	3	7	6																			

MONTHLY AVERAGE = 32.5    MONTHLY MAXIMUM = 98.7    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 97.7%    OPERATIONAL RECOVERY RATE = 98.9%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 8/ 1/1993 TO : 8/31/1993

CARBON MONOXIDE (PPM)  
AUGUST - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.1	.1	.1	.1	.1	.1
2	.1	.1	.2	.3	.3	.6	.7	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.5	.6	.9	.8	.3
3	.1	.1	.1	.1	.1	.1	.1	.3	.3	.3	.6	.4	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.1	.3
4	.1	.1	.1	.1	.2	.7	.9	.8	.4	.4	.3	.3	.3	.2	.2	.1	.3	.1	.1	.1	.1	.3	.4	.4	.4
5	.2	.3	.3	.2	.3	.3	1.0	.8	.4	.1	.1	.1	.1	.1	.1	.1	.3	.2	.1	.5	.8	.6	.6	.6	.3
6	.3	.1	.1	.1	.4	.5	.4	.4	.3	.3	.3	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.3	.5	.8	.3
7	.3	.3	.2	.2	.3	.4	.8	.3	.3	.3	.3	.2	.1	.1	.1	.1	.1	.1	.1	.1	.2	.3	.4	.5	.4
8	.9	.6	.5	.5	1.0	.8	.5	.4	.4	.1	.1	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.3
9	.3	.3	.3	.2	.3	.5	.9	.8	.8	.4	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.2	.3
10	.3	.2	.2	.1	.2	.4	.5	.5	.5	.5	.5	.5	.3	.2	.2	.2	.2	.2	.1	.1	.1	.2	.3	.9	1.0
11	.1	.1	.1	.3	.6	.7	.7	.9	.6	.3	.2	.1	.1	.1	.1	.1	.1	.5	.9	1.2	1.1	1.2	.8	.6	.4
12	.3	.2	.3	.1	.1	.3	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.5	.9	1.2	1.1	1.2	.8	.6	.4
13	.1	.1	.1	.2	.2	.3	.5	.7	.6	.6	.6	.3	.1	.2	.2	.2	.3	.4	.6	.3	.1	.1	.1	.1	.3
14	.1	.1	.1	.1	.1	.3	.3	.4	.4	.2	.1	.1	***	***	***	***	***	***	***	***	***	.2	.1	.2	.6
15	.6	.5	.5	.4	.4	1.0	.9	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.3
16	.1	.2	.6	.7	.6	.6	.8	.8	CAL	CAL	CAL	.1	.1	.1	.1	.1	.1	.1	.1	.1	.4	.3	.4	.3	.1
17	.1	.1	.4	.5	.5	.8	.5	.3	.1	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.1	.2
18	.6	.3	.3	.3	.3	.4	.3	.4	.4	.3	.3	CAL	CAL	CAL	.2	.5	.6	.7	.4	.3	.6	.5	.6	.5	.4
19	.3	.3	.3	.3	.3	.5	.9	.6	.5	.4	.4	.3	.3	.3	.3	.4	.3	.3	.6	.4	.4	.3	.5	.3	.2
20	.5	.3	.3	.3	.5	.6	.2	.2	.2	.2	.3	.3	.3	.3	.3	.4	.3	.3	.6	.4	.4	.3	.4	.6	.7
21	.2	.2	.1	.1	.1	.4	.6	.4	.3	.3	.2	.2	.2	.1	.2	.2	.5	.3	.3	.3	.4	.6	.7	.5	.3
22	.3	.2	.3	.5	.6	.5	.4	.5	.5	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.1	.2	.5	.9	1.3
23	.5	.5	.4	.4	.3	.4	.4	.4	.4	1.0	.5	.3	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.3
24	.9	.6	.4	.3	.4	.5	.7	.8	.9	.5	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2
25	.1	.1	.1	.3	.4	.5	.6	.4	.3	.3	.3	.2	.2	.6	.5	.5	.6	.7	.8	.7	.5	.4	.5	.5	.4
26	.1	.1	.1	.1	.2	.2	.3	.3	.2	.2	.2	.2	.2	.3	.3	.2	.3	.2	.3	.4	.4	.4	.6	.6	.5
27	.8	1.3	.9	.7	.6	.5	.3	.2	.2	.2	.2	.2	.2	.3	.3	.2	.3	.2	.3	.4	.4	.4	.6	.6	.4
28	.5	.4	.6	.8	.7	.7	.7	1.0	1.1	.5	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.2	.4	.5	.6	.4
29	.5	.4	.3	.4	.6	.5	.5	.4	.5	.3	.2	.2	.1	.2	.1	.1	.1	.1	.1	.3	.4	.1	.1	.1	.3
30	.1	.1	.1	.1	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.3	.2	.1	.2	.4	.4
31	.1	.1	.1	.1	.2	.3	.4	.5	.7	.5	.4	.4	.3	.3	.3	.6	.7	.6	.5	.4	.4	.4	.4	.4	.4
HOURLY MEAN	.3	.3	.3	.3	.4	.5	.5	.5	.5	.4	.3	.2	.2	.2	.2	.2	.2	.2	.2	.2	.3	.3	.4	.4	.4

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	.2	.7	.9	.9	1.0	.8	.8	1.0	.9	.5	1.0	1.2	.7	.6	1.0	.8	.8	.7	.9	.6	.7	.9	1.3	.9	.6
MIN	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.2	.1	.1	.1	.1	.1

  

DAY	26	27	28	29	30	31
MAX	.8	1.3	1.1	.6	.4	.7
MIN	.1	.2	.1	.1	.1	.1

MONTHLY AVERAGE = .3    MONTHLY MAXIMUM = 1.3    MONTHLY MINIMUM = .1  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 98.1%    OPERATIONAL RECOVERY RATE = 98.9%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 8/ 1/1993 TO : 8/31/1993

SULFUR DIOXIDE (PPB)  
AUGUST - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	2	9	2	1	1	1	1	1	1	1	1	3	1	1	1	1
4	1	1	1	1	1	1	4	2	2	4	1	1	CAL	3	1	1	1	1	1	1	1	1	1	1	4
5	1	1	1	1	1	1	6	60	15	1	1	1	1	1	1	3	1	1	1	1	3	5	1	1	2
6	1	1	1	1	1	1	1	1	3	10	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
8	3	1	1	1	6	6	4	1	12	4	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2
9	1	1	1	1	1	2	4	9	21	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	10	4	1	1	1	1	1	1	1	1	1	1	1	3	2	1	2
12	1	1	1	1	1	1	1	1	1	1	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	1
13	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	1	1	1	1	1	3	8	3	1	1	1	1	1	2
14	1	3	1	1	1	1	1	1	1	1	1	1	***	***	***	***	***	***	***	***	2	1	1	5	1
15	1	1	1	1	1	4	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	2	3	3	3	3	3	1	1	1	1	1	1	1	1	1	2	4	12	6	1	2
17	1	1	2	3	5	4	2	3	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
18	10	1	1	1	3	3	1	1	1	CAL	1	1	CAL	CAL	1	4	2	1	1	1	1	1	1	1	2
19	1	1	1	1	1	2	3	1	1	2	5	5	3	2	1	1	1	1	1	1	1	1	1	1	2
20	1	1	4	3	3	2	1	1	1	1	1	2	2	2	3	2	1	3	3	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1
22	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	3	8	4
23	11	9	1	1	1	2	2	2	22	9	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1
24	3	2	1	1	1	1	2	3	5	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	5	2	2	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	14	5	3	4	9	4	1	1	1	1	1	1	1	1	2
27	1	2	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	2	1	3	6	5	5	5	5	4	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2
29	1	1	1	1	3	3	5	1	2	11	8	4	3	1	1	1	1	1	1	1	1	1	1	1	2
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	1	1	1	1	1	1	1	1	3	2	2	1	1	1	1	2	6	3	1	1	1	1	1	1	1
HOURLY MEAN	2	1	1	1	2	2	2	4	4	3	2	2	1	1	1	1	2	1	1	1	1	2	1	1	1

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	1	2	9	4	60	10	4	12	21	4	10	1	8	5	6	12	5	10	5	4	11	3	22	5	5
MIN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

  

DAY	26	27	28	29	30	31
MAX	14	3	6	11	1	6
MIN	1	1	1	1	1	1

MONTHLY AVERAGE = 1.8    MONTHLY MAXIMUM = 60.3    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 95.0%    OPERATIONAL RECOVERY RATE = 98.9%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 8/ 1/1993 TO : 8/31/1993

NITRIC OXIDE (PPB)  
AUGUST - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	15	18	5	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
3	1	1	1	1	1	1	1	3	3	5	11	5	2	1	1	1	1	1	1	1	1	1	3	3	2
4	1	1	1	1	1	28	38	22	8	7	4	2	CAL	CAL		1	1	1	1	1	2	1	1	1	6
5	3	1	2	2	3	4	48	31	9	1	1	1	1	1	2	4	3	2	1	1	1	5	5	5	6
6	2	1	1	5	8	7	11	10	12	14	7	5	2	1	1	1	1	12	17	10	9	5	2	2	6
7	2	3	2	2	2	9	36	8	7	6	2	2	1	1	1	1	1	1	1	1	1	1	2	3	4
8	9	3	2	3	21	14	10	7	18	2	1	1	1	1	1	1	1	1	1	1	2	2	2	3	5
9	2	2	2	2	3	16	35	26	40	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6
10	1	1	1	2	2	2	4	6	7	6	6	6	2	1	1	2	1	1	2	3	3	3	3	3	3
11	2	3	3	3	5	10	16	18	15	4	3	1	1	1	1	1	2	2	1	1	2	14	10	3	5
12	3	3	4	2	2	4	4	3	3	3	3	2	1	1	2	2	5	7	8	5	14	5	3	3	4
13	3	2	2	3	3	3	10	16	11	9	7	3	2	1	1	1	1	6	1	1	1	2	3	3	4
14	3	3	3	3	3	3	5	7	8	4	1	1	***	***	***	***	***	***	***	***	***	***	***	***	4
15	3	3	3	3	4	40	38	7	4	2	1	1	1	1	1	1	2	1	1	2	3	3	3	3	5
16	3	3	10	9	8	10	24	19	15	11	4	1	1	1	1	1	1	1	1	1	1	1	1	2	5
17	2	3	3	3	7	26	13	8	6	5	2	CAL	CAL	CAL	CAL	CAL	CAL	CAL		1	1	1	1	1	5
18	8	1	1	1	2	5	3	4	8	CAL	CAL	CAL	CAL	CAL		1	1	3	3	1	1	1	1	1	2
19	1	1	1	1	1	10	33	16	15	9	7	5	1	1	1	1	1	1	1	1	1	1	1	1	5
20	1	1	2	1	5	20	5	4	4	4	4	2	1	1	1	1	1	1	1	1	1	1	1	2	3
21	1	1	1	1	1	5	14	7	6	3	1	1	1	1	1	1	20	1	1	1	1	2	2	1	3
22	1	1	1	5	8	4	7	10	12	1	1	1	1	1	1	1	1	1	1	1	1	5	2	2	3
23	3	10	3	2	1	6	11	11	34	9	3	1	1	1	1	1	1	1	1	1	1	1	8	14	5
24	2	2	2	1	2	3	14	16	14	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
25	1	1	1	1	4	6	11	5	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
26	1	1	1	2	1	2	5	5	3	3	14	4	5	5	9	7	8	4	1	1	1	1	1	1	4
27	18	37	18	15	13	17	5	4	3	1	1	1	3	3	2	4	2	1	1	1	1	1	1	1	6
28	1	1	3	6	3	3	6	19	23	9	3	2	1	1	1	1	1	1	1	1	1	1	1	1	4
29	2	2	2	2	6	7	9	5	6	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
30	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	1
31	1	1	1	1	1	1	4	11	15	8	5	4	2	1	1	2	5	2	1	1	1	1	1	1	3
HOURLY MEAN	3	3	3	3	4	9	14	10	10	5	3	2	1	1	1	2	2	2	2	2	2	2	2	3	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	1	18	11	38	48	17	36	21	40	7	18	14	16	9	40	24	26	8	33	20	20	12	34	16	11
MIN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

  

DAY	26	27	28	29	30	31
MAX	14	37	23	9	2	15
MIN	1	1	1	1	1	1

MONTHLY AVERAGE = 3.9    MONTHLY MAXIMUM = 47.8    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 96.8%    OPERATIONAL RECOVERY RATE = 98.7%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE



ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 8/ 1/1993 TO : 8/31/1993

NITROGEN DIOXIDE (PPB)  
AUGUST - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	8	6	3	4	4	4	4	4	3	4	3	2	1	2	3	2	2	3	3	3	3	6	5	3	4
2	5	5	8	22	18	26	25	9	6	5	4	3	4	4	3	3	2	2	2	3	4	9	5	4	8
3	5	4	3	4	4	5	6	12	9	14	25	18	8	4	5	5	5	4	3	9	21	27	38	35	11
4	6	5	5	5	12	22	25	22	14	14	12	10	CAL	CAL	5	4	4	4	5	5	6	8	7	6	9
5	10	11	13	22	20	17	34	37	16	5	4	3	2	2	3	14	4	3	3	4	11	19	18	15	12
6	14	8	8	11	20	19	14	13	12	17	11	5	5	4	4	5	9	8	6	29	42	27	26	25	14
7	14	13	10	11	14	22	34	14	13	13	9	8	5	3	5	5	5	4	5	5	6	10	18	36	12
8	42	26	23	22	39	34	22	14	30	7	5	6	7	3	5	3	3	3	3	8	11	16	16	14	15
9	15	13	12	11	20	27	31	29	42	16	5	3	3	3	3	2	2	2	2	4	9	7	5	8	12
10	9	9	8	4	6	13	22	18	17	14	18	22	10	6	3	4	4	3	6	5	6	8	11	10	10
11	7	7	10	14	25	24	21	23	25	13	8	5	4	3	3	4	6	4	6	8	16	42	40	11	14
12	12	12	15	6	8	14	11	6	5	4	4	5	4	3	4	7	18	31	40	40	39	29	23	19	15
13	4	6	6	7	7	9	16	21	19	21	23	10	6	7	7	10	15	21	26	15	10	9	8	5	12
14	9	12	9	8	8	14	15	16	17	8	4	4	***	***	***	***	***	***	***	***	***	***	9	29	11
15	24	23	24	21	23	28	26	11	6	5	5	3	3	2	3	4	3	3	3	4	7	8	13	12	11
16	17	19	30	29	24	24	23	22	25	24	12	3	3	2	1	2	3	3	7	17	20	29	17	5	15
17	11	8	24	36	36	33	24	17	10	11	4	CAL	CAL	CAL	CAL	CAL	CAL	CAL	1	4	6	4	3	10	14
18	37	10	11	13	23	24	13	18	22	CAL	CAL	CAL	CAL	CAL	6	21	20	23	13	10	11	20	10	11	17
19	14	16	15	13	18	27	28	23	21	19	18	15	12	11	5	4	8	6	9	22	19	25	22	25	16
20	20	15	23	18	27	26	13	9	9	7	10	11	10	11	14	13	13	21	16	16	10	28	14	12	15
21	10	7	6	5	9	20	19	14	11	8	9	8	7	5	7	6	22	11	14	13	15	24	27	15	12
22	10	13	18	21	23	19	16	22	20	5	2	2	3	2	2	3	3	4	7	8	29	43	27	24	14
23	38	42	19	22	16	26	18	17	44	21	12	8	6	6	5	5	5	5	6	9	9	25	42	64	20
24	42	30	16	16	24	26	29	28	33	23	5	5	4	3	3	3	2	3	5	7	9	7	10	4	14
25	3	3	5	14	37	29	27	13	11	10	8	7	5	4	4	5	7	11	10	5	7	8	6	6	10
26	11	8	11	12	11	12	16	18	10	9	37	25	22	27	39	30	21	17	13	17	20	17	11	12	18
27	28	31	28	26	22	16	13	10	7	6	6	5	12	13	10	13	10	10	14	17	16	24	21	16	15
28	32	18	29	43	38	33	27	35	38	20	10	11	7	7	6	5	5	4	5	8	16	18	27	28	20
29	21	15	13	20	34	33	24	17	21	18	13	7	7	6	3	3	3	3	12	22	5	6	5	6	13
30	7	4	4	4	7	7	7	7	6	3	5	4	2	1	2	3	3	6	10	7	5	9	24	24	7
31	15	12	11	9	6	10	13	16	18	13	10	10	7	6	7	18	24	20	18	16	17	17	16	15	14
HOURLY MEAN	16	13	14	15	19	21	20	17	17	12	10	8	6	6	6	7	8	8	9	11	14	18	17	16	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	8	26	38	25	37	42	36	42	42	22	42	40	26	29	28	30	36	37	28	28	27	43	64	42	37
MIN	1	2	3	4	2	4	3	3	2	3	3	3	4	4	2	1	1	6	4	7	5	2	5	2	3

  

DAY	26	27	28	29	30	31
MAX	39	31	43	34	24	24
MIN	8	5	4	3	1	6

MONTHLY AVERAGE = 13.0    MONTHLY MAXIMUM = 63.5    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 96.8%    OPERATIONAL RECOVERY RATE = 98.7%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 8/ 1/1993 TO : 8/31/1993

NITROGEN OXIDES (PPB)  
AUGUST - 1993

HOUR																									DAILY	
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	10	8	5	6	6	6	5	5	5	5	4	4	3	3	5	4	3	5	4	4	5	7	7	5	5	
2	6	6	10	24	20	42	43	14	10	7	6	5	5	5	4	4	4	3	3	4	5	11	7	5	11	
3	6	5	4	5	5	6	8	15	13	20	37	23	10	6	7	7	7	6	5	11	23	30	42	39	14	
4	8	7	7	7	14	51	64	44	22	22	16	12	CAL	CAL	6	5	5	5	6	6	8	10	10	9	15	
5	12	13	15	24	23	21	82	68	26	7	5	4	3	3	4	18	7	11	9	8	32	45	30	29	28	18
6	16	10	10	13	29	26	24	24	22	29	17	7	6	5	5	7	7	5	6	6	8	13	21	40	16	
7	17	16	13	13	17	31	70	23	21	18	12	10	7	4	6	5	5	4	5	10	13	18	19	17	20	
8	51	29	26	25	60	49	33	21	48	10	6	7	8	4	6	5	5	4	5	10	13	18	19	17	20	
9	18	16	15	14	24	44	66	56	82	22	6	4	4	4	4	3	4	4	4	4	10	8	7	10	18	
10	11	10	9	7	9	16	26	24	25	20	25	28	13	7	5	7	6	6	9	8	9	11	14	14	13	
11	10	10	13	17	31	35	37	42	41	18	11	7	6	4	5	6	8	7	8	10	19	56	51	14	19	
12	15	15	20	9	10	18	15	9	9	8	7	7	6	5	6	9	24	39	48	45	54	35	26	22	19	
13	7	9	9	10	10	12	26	38	30	31	30	13	9	9	8	12	17	27	28	17	12	12	11	9	17	
14	12	15	12	11	11	18	21	23	25	12	6	6	***	***	***	***	***	***	***	***	***	***	***	14	38	16
15	28	26	27	25	28	68	64	18	11	7	6	4	5	3	4	5	5	5	5	7	10	11	17	16	17	
16	20	23	41	38	32	35	47	42	40	35	16	4	3	1	1	2	3	4	8	19	22	31	19	8	21	
17	14	12	28	40	43	59	37	25	16	17	7	CAL	CAL	CAL	CAL	CAL	CAL	CAL	2	6	8	6	5	12	20	
18	45	13	13	16	25	30	17	23	31	CAL	CAL	CAL	CAL	CAL	6	22	24	26	14	12	13	22	12	13	20	
19	16	18	18	15	20	37	61	40	36	29	26	20	14	13	5	5	9	8	11	24	21	27	25	27	22	
20	22	18	25	20	33	47	18	13	13	12	15	14	11	12	16	14	14	22	17	18	12	30	16	15	19	
21	13	10	8	7	12	25	33	21	18	11	10	10	8	6	8	7	43	13	15	15	17	27	29	18	16	
22	12	15	20	26	31	23	23	32	32	7	3	3	4	3	3	4	4	5	8	8	31	49	30	26	17	
23	41	52	22	25	18	33	29	29	79	31	15	10	6	6	5	6	6	5	6	9	10	27	50	78	25	
24	45	33	19	19	27	30	43	44	47	31	6	5	4	3	3	3	1	2	4	7	9	8	11	6	17	
25	5	5	7	16	41	35	39	18	15	13	10	8	6	4	4	6	8	12	11	7	7	9	8	8	13	
26	13	10	13	15	13	15	22	24	14	13	51	30	27	33	48	38	29	21	15	18	22	19	13	14	22	
27	46	69	47	41	36	34	18	14	11	8	8	7	15	16	13	17	13	12	16	19	18	26	23	18	23	
28	34	21	32	50	42	36	34	55	62	30	14	13	9	8	6	6	6	5	6	9	18	20	30	30	24	
29	24	17	16	22	40	40	34	23	27	25	16	8	8	9	4	4	4	5	13	22	6	7	6	7	16	
30	8	6	6	5	8	8	9	9	9	6	7	7	4	4	4	4	5	9	12	9	8	12	26	27	9	
31	17	14	13	11	8	12	18	28	33	21	15	14	10	7	8	21	29	23	19	18	20	20	18	17	17	
HOURLY MEAN	19	17	17	19	23	30	34	28	28	17	14	10	8	7	7	9	11	10	11	13	16	20	20	20		

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	10	43	42	64	82	45	70	60	82	28	56	54	38	38	68	47	59	45	61	47	43	49	79	47	41
MIN	3	3	4	5	3	5	4	4	3	5	4	5	7	6	3	1	2	6	5	11	6	3	5	1	4

  

DAY	26	27	28	29	30	31
MAX	51	69	62	40	27	33
MIN	10	7	5	4	4	7

MONTHLY AVERAGE = 17.3    MONTHLY MAXIMUM = 82.1    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744    VALID DATA RECOVERY RATE = 96.8%    OPERATIONAL RECOVERY RATE = 98.7%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 9/ 1/1993 TO : 9/30/1993

10M WIND SPEED (MPH)  
SEPTEMBER - 1993

DAY	HOUR																								DAILY
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	9.8	8.2	9.3	7.3	8.7	8.0	9.0	9.8	8.1	7.3	11.4	14.2	10.8	23.7	20.2	25.0	12.8	9.0	9.6	5.0	6.0	7.2	10.7	7.1	10.8
2	9.6	6.4	4.4	7.2	5.5	5.2	4.1	5.8	9.1	12.8	14.9	8.3	3.7	6.2	4.6	3.8	4.5	4.5	6.2	7.7	7.3	7.4	8.0	11.2	7.0
3	9.7	9.9	8.3	8.5	9.2	10.9	12.9	16.4	16.0	14.3	11.6	9.8	6.0	5.7	7.5	8.4	8.9	7.5	9.2	8.0	6.7	5.6	8.2	10.4	9.6
4	5.1	4.7	5.7	4.7	3.8	6.2	4.8	4.5	2.6	4.3	3.7	4.9	5.9	7.0	7.2	9.4	9.4	9.5	16.1	11.9	9.3	7.6	13.2	6.9	7.0
5	5.8	9.3	8.3	13.3	8.5	8.1	7.5	6.4	4.6	2.2	2.4	5.3	5.9	10.8	8.3	15.7	17.8	14.4	11.2	6.6	8.4	5.1	2.9	2.8	8.0
6	3.7	4.6	5.8	5.2	4.7	3.0	5.3	6.3	3.6	4.2	6.3	5.8	6.9	9.1	14.8	12.5	7.0	15.4	10.6	7.3	6.3	9.6	9.8	7.9	7.3
7	8.6	8.3	6.3	4.0	6.6	4.6	3.8	10.7	10.5	11.3	9.2	5.4	9.7	17.3	27.2	13.5	4.1	2.2	6.9	3.4	1.6	4.0	3.5	3.1	7.7
8	4.4	6.2	7.1	7.3	7.5	5.9	5.5	8.4	9.6	9.0	3.7	3.7	5.9	5.4	5.0	6.5	6.4	5.4	6.7	7.6	7.6	9.3	8.3	8.2	6.7
9	8.1	9.7	9.7	8.5	6.8	5.1	6.6	6.5	7.6	14.3	10.3	17.2	15.3	11.4	9.7	8.9	9.0	10.9	8.8	6.5	6.6	9.1	9.5	11.7	9.5
10	9.2	4.6	4.8	6.4	3.8	1.4	5.1	7.3	3.8	3.1	3.0	4.7	4.6	6.8	7.3	12.0	16.5	16.6	13.5	13.6	17.4	15.1	14.2	13.3	8.7
11	12.4	13.6	13.0	11.3	13.3	13.6	11.1	12.1	8.7	4.7	6.0	8.2	11.9	12.1	17.3	16.5	14.8	10.8	8.9	10.3	11.5	12.4	11.7	12.9	11.6
12	15.4	13.7	16.8	19.6	20.2	21.3	18.7	13.5	18.8	17.6	14.9	11.4	7.0	4.9	8.2	7.9	10.8	10.6	17.0	17.1	30.5	22.5	19.9	13.6	15.5
13	10.2	15.9	13.5	11.0	14.0	15.3	13.8	7.8	4.3	6.2	10.9	10.6	7.2	5.9	8.9	5.1	2.0	2.1	1.3	3.5	5.4	9.1	7.3	6.3	8.2
14	7.2	7.6	5.7	5.1	5.3	5.9	6.9	8.9	10.2	9.3	9.3	8.9	8.6	8.4	6.9	4.9	5.8	6.2	9.4	9.9	10.8	11.3	11.6	10.1	8.1
15	8.0	8.8	8.9	10.0	5.5	5.2	2.5	1.4	4.3	6.0	4.9	4.9	7.5	4.7	3.8	6.2	7.3	8.8	10.3	15.0	12.6	6.2	3.2	2.8	6.6
16	6.2	6.0	7.7	10.0	8.5	10.6	4.7	5.4	4.0	3.9	4.7	6.8	7.2	7.6	8.2	8.0	8.7	9.8	7.1	4.6	7.1	7.2	8.8	6.3	7.0
17	7.7	6.8	6.0	4.9	5.0	3.1	3.7	3.3	2.5	3.3	3.6	5.5	6.8	9.4	11.1	13.7	19.4	18.9	17.0	8.3	7.5	4.6	2.6	2.7	7.4
18	3.5	3.2	3.3	2.4	3.4	5.6	7.7	8.2	9.4	11.1	14.4	21.1	21.1	20.7	15.6	17.6	11.7	9.6	7.0	6.5	3.8	3.7	1.9	2.3	9.0
19	5.0	4.1	5.1	6.8	9.1	10.4	12.6	12.5	9.2	7.4	4.8	8.1	17.3	17.7	18.3	14.3	18.3	22.3	16.4	12.0	10.5	5.9	9.6	8.9	11.1
20	10.1	10.1	11.7	13.3	12.7	12.2	13.7	14.8	9.1	7.7	4.2	4.4	4.6	6.2	5.7	7.2	9.3	9.8	11.1	10.3	9.7	8.0	5.2	5.9	9.0
21	8.1	4.9	3.2	5.5	5.1	6.4	10.3	13.6	15.7	12.6	5.5	5.1	7.3	11.6	14.3	15.8	13.6	9.6	5.9	5.0	5.0	10.8	13.9	9.6	9.1
22	7.4	6.8	10.0	8.5	3.4	5.5	7.0	10.5	9.2	8.6	8.5	8.4	7.7	6.1	5.6	4.6	6.9	9.4	10.0	9.2	6.7	5.2	5.0	4.0	7.3
23	2.2	1.9	4.3	7.5	8.3	6.9	9.8	7.0	6.9	6.7	5.3	6.6	7.8	8.5	8.6	11.3	9.4	7.7	6.2	4.2	3.7	4.1	8.9	9.1	6.8
24	8.0	7.5	7.4	4.7	4.4	5.0	4.5	2.9	2.3	2.7	4.7	8.3	12.4	11.9	9.0	9.7	11.4	9.9	6.0	3.5	5.5	4.6	8.0	7.5	6.7
25	7.8	7.6	7.7	8.5	10.2	11.1	12.1	12.1	11.6	8.5	12.9	14.7	11.6	8.0	16.0	21.1	16.2	12.4	6.0	2.0	5.3	7.6	13.6	11.4	10.7
26	11.7	7.0	4.8	3.2	6.8	4.8	4.3	6.2	4.5	3.6	4.3	5.3	6.5	5.8	4.1	3.4	3.4	4.4	6.9	6.6	6.4	6.3	6.7	9.5	5.7
27	10.1	15.2	12.8	10.5	8.8	8.1	11.7	13.8	10.6	5.2	3.2	4.7	5.1	4.3	6.3	4.8	6.5	7.2	9.3	8.8	8.2	6.0	7.2	7.9	8.2
28	8.7	7.1	10.4	8.4	5.0	5.6	6.6	13.6	11.8	8.6	7.7	6.2	7.1	4.8	4.9	2.8	9.3	9.2	6.4	8.1	5.9	8.4	7.4	7.7	7.6
29	7.9	8.6	8.8	6.4	4.2	4.3	4.5	5.0	4.5	5.2	4.5	4.0	3.6	4.1	4.8	6.8	6.7	4.8	11.5	14.1	9.0	9.8	8.4	9.3	6.7
30	11.4	13.4	13.8	10.1	10.8	13.8	13.8	13.2	11.9	11.3	11.5	24.1	20.4	22.9	25.6	21.9	19.3	17.6	9.8	9.9	9.8	8.4	6.5	6.7	14.1
HOURLY																									
MEAN	8.1	8.1	8.1	8.0	7.6	7.8	8.1	8.9	8.2	7.8	7.4	8.5	8.8	9.6	10.5	10.6	10.2	9.9	9.4	8.2	8.4	8.1	8.5	7.9	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	25.0	14.9	16.4	16.1	17.8	15.4	27.2	9.6	17.2	17.4	17.3	30.5	15.9	11.6	15.0	10.6	19.4	21.1	22.3	14.8	15.8	10.5	11.3	12.4	21.1
MIN	5.0	3.7	5.6	2.6	2.2	3.0	1.6	3.7	5.1	1.4	4.7	4.9	1.3	4.9	1.4	3.9	2.5	1.9	4.1	4.2	3.2	3.4	1.9	2.3	2.0
DAY	26	27	28	29	30	31																			
MAX	11.7	15.2	13.6	14.1	25.6	***																			
MIN	3.2	3.2	2.8	3.6	6.5	***																			

MONTHLY AVERAGE = 8.6    MONTHLY MAXIMUM = 30.5    MONTHLY MINIMUM = 1.3  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMP  
SITE 4 FROM : 8/ 1/1993 TO : 8/31/1993

WIND DIRECTION (DEGREES)  
AUGUST - 1993

DAY	HOUR																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	343	348	348	332	338	356	357	348	351	351	30	97	128	92	165	159	164	171	182	125	117	142	140	172
2	173	189	209	262	273	239	286	348	1	11	24	4	10	12	24	22	54	75	75	93	125	132	40	8
3	8	12	19	14	25	1	294	273	230	186	179	167	101	131	205	216	192	140	129	147	172	180	177	176
4	193	204	197	172	198	213	232	301	312	339	24	12	352	354	356	348	349	354	3	10	247	241	133	104
5	88	109	70	304	291	240	221	270	345	6	32	38	35	36	19	312	69	83	77	117	207	301	197	176
6	153	144	140	266	285	277	289	311	317	17	61	82	69	97	93	163	175	342	3	213	190	202	197	192
7	200	195	196	200	233	211	249	305	313	10	53	71	78	126	323	351	360	149	142	180	195	207	196	215
8	308	124	244	236	205	189	203	217	215	323	340	332	322	309	177	285	102	124	126	148	162	168	189	202
9	172	197	193	210	221	218	207	218	218	198	132	79	74	99	87	84	85	96	112	125	139	148	156	199
10	219	202	188	203	203	208	192	177	183	183	352	351	354	347	15	17	83	95	326	119	136	157	338	13
11	9	182	195	190	196	203	201	220	233	32	29	17	25	80	95	46	91	140	142	159	212	203	198	178
12	174	146	360	11	352	296	338	0	23	34	38	82	124	177	161	149	187	195	164	179	94	68	115	111
13	131	159	196	187	190	199	286	47	64	140	252	189	208	210	209	212	255	236	192	185	207	229	222	222
14	214	211	202	200	182	172	187	170	170	138	45	43	75	80	103	322	299	269	262	254	49	90	131	167
15	168	187	189	177	206	273	272	329	351	14	60	67	113	118	360	332	33	125	113	125	128	322	11	62
16	257	203	192	212	203	178	188	182	185	167	173	161	153	136	142	137	124	148	155	193	214	221	161	95
17	359	232	209	200	191	107	60	113	91	82	86	95	72	92	73	103	110	111	118	129	317	345	91	230
18	274	360	306	255	299	321	48	327	318	289	303	324	347	351	229	227	220	193	183	113	175	157	173	213
19	197	187	188	201	217	303	310	318	345	334	327	63	129	153	109	296	348	80	147	169	170	195	195	188
20	188	211	219	205	230	314	323	332	343	19	17	20	292	298	287	311	300	264	247	163	173	215	202	211
21	198	194	78	128	249	280	255	316	311	305	354	324	27	38	286	260	229	200	144	184	215	208	109	114
22	132	146	171	180	171	174	202	270	346	301	293	337	307	322	295	275	269	326	14	223	251	319	293	242
23	229	211	211	128	205	303	269	228	217	95	113	173	214	133	41	50	59	52	38	68	157	257	229	211
24	203	196	193	209	209	195	199	205	213	202	168	166	165	142	134	145	139	144	134	133	144	161	176	174
25	160	163	182	244	239	273	288	293	323	326	7	23	19	11	354	341	340	342	352	4	1	8	15	340
26	304	299	299	305	340	345	339	341	283	283	240	217	231	260	244	182	176	176	175	163	166	52	106	164
27	181	186	182	171	19	359	355	2	22	92	96	169	163	170	153	14	92	172	176	188	196	235	131	314
28	309	49	304	323	177	163	189	213	219	207	201	196	174	123	153	148	158	157	160	158	169	170	200	199
29	181	185	205	209	238	228	245	295	288	312	326	118	176	172	153	147	147	160	194	230	24	29	33	34
30	353	10	354	9	359	353	359	318	342	40	28	21	39	44	50	34	13	278	317	33	190	150	162	151
31	130	125	105	137	137	143	155	281	207	196	181	128	20	173	189	200	180	189	187	184	190	186	188	191

TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 744      VALID DATA RECOVERY RATE = 100.0%      OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING      CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 9/ 1/1993 TO : 9/30/1993

WIND DIRECTION (DEGREES)  
SEPTEMBER - 1993

DAY	HOUR																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	195	191	199	191	194	189	197	200	194	231	289	312	318	311	306	300	300	323	355	342	223	228	23	62
2	96	149	121	69	89	112	133	154	63	49	32	19	4	1	321	319	243	245	250	226	220	218	196	202
3	198	194	193	191	188	195	199	202	203	200	177	180	168	96	60	66	44	32	64	98	139	198	217	207
4	213	199	195	215	273	257	203	221	340	80	120	270	341	353	50	71	88	71	327	289	250	158	203	140
5	223	217	327	13	357	6	21	39	20	193	97	1	17	351	16	8	42	52	56	97	32	68	24	148
6	147	151	162	174	180	94	128	188	256	331	349	314	354	2	334	325	252	190	224	223	204	174	208	215
7	327	339	309	206	186	149	48	337	218	223	224	226	7	11	9	58	352	299	228	331	190	130	117	158
8	187	206	205	205	202	217	204	195	204	193	183	68	49	91	93	99	91	106	150	166	192	196	194	193
9	193	197	197	197	174	101	238	273	330	9	21	36	33	24	15	20	21	17	19	51	84	100	88	95
10	114	229	199	196	189	258	5	338	321	331	262	12	56	337	26	278	220	188	186	196	205	193	196	201
11	198	206	206	198	199	199	199	203	201	256	308	297	304	271	295	314	296	228	224	203	206	201	198	204
12	204	200	200	206	203	200	215	202	199	197	189	189	253	89	114	66	55	54	37	14	15	360	356	7
13	20	15	7	14	17	17	346	4	335	350	3	15	358	12	23	51	24	249	310	215	238	231	233	222
14	210	209	191	179	177	180	191	192	192	186	196	196	188	182	178	167	140	129	125	152	184	183	191	176
15	178	187	186	193	213	290	350	82	183	179	171	187	150	157	253	145	116	93	92	105	105	164	274	248
16	170	179	188	203	47	26	354	310	299	352	36	38	19	24	21	13	84	112	113	101	39	89	86	77
17	34	6	20	30	54	92	125	166	209	103	97	54	83	67	65	66	64	58	64	13	347	337	6	340
18	344	19	46	111	126	121	128	119	121	106	93	89	79	38	33	345	69	321	289	314	235	232	203	87
19	151	129	176	190	197	207	214	209	215	199	268	351	296	311	313	313	304	305	307	331	330	243	204	197
20	195	195	201	206	201	200	203	206	203	189	211	85	68	74	97	108	110	118	141	157	197	183	211	200
21	187	188	195	188	212	223	212	202	199	194	208	208	41	37	46	56	50	58	69	128	234	334	340	348
22	350	359	21	42	3	64	67	75	83	75	90	102	107	114	97	50	5	337	334	332	325	338	342	327
23	340	128	139	123	125	126	142	150	314	317	320	305	316	314	325	329	330	341	344	329	307	289	298	320
24	330	331	333	329	335	346	344	347	24	55	60	28	17	14	26	43	56	56	39	123	201	185	184	182
25	183	181	184	185	195	195	197	201	205	209	298	326	314	325	309	325	26	359	339	77	89	74	30	23
26	54	171	183	201	216	206	193	353	51	108	195	335	26	31	30	71	94	148	153	162	169	173	183	198
27	196	201	200	197	195	188	200	206	205	223	241	294	336	309	359	29	72	89	136	157	207	182	193	192
28	207	222	215	227	252	310	314	347	7	356	14	352	6	15	340	66	334	29	353	34	101	208	187	168
29	202	174	183	203	246	243	258	323	341	339	322	282	146	110	84	133	112	89	184	189	206	214	197	201
30	199	209	211	213	221	212	201	207	203	244	291	292	296	297	307	315	311	311	296	245	247	241	223	1

TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720      VALID DATA RECOVERY RATE = 100.0%      OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING      CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 9/ 1/1993 TO : 9/30/1993

SIGMA THETA (DEGREES)  
SEPTEMBER - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	3	3	5	3	6	8	14	26	33	16	31	8	10	6	13	24	13	73	17	41	18	29	17
2	10	19	50	15	22	28	24	21	34	12	22	21	39	27	31	34	35	21	7	6	4	12	3	2	21
3	5	3	3	4	3	4	4	4	6	10	12	15	45	47	26	24	19	8	6	14	20	30	16	6	14
4	76	55	11	43	33	19	21	20	52	42	53	69	37	35	29	24	13	15	32	21	9	49	12	26	33
5	25	7	31	9	13	15	12	21	30	51	51	39	37	14	20	20	14	12	8	25	31	48	31	46	25
6	8	13	15	19	15	46	30	13	43	48	30	34	30	23	34	21	66	9	12	31	24	18	11	18	25
7	47	10	26	44	20	46	72	32	51	23	18	47	24	17	24	8	41	25	24	51	49	11	41	20	32
8	10	9	4	4	4	8	9	5	9	17	43	51	39	48	46	24	17	11	18	4	17	3	2	3	17
9	3	3	2	7	21	64	9	23	22	15	18	14	15	18	19	20	13	7	6	17	7	6	5	4	14
10	18	28	7	12	15	49	31	9	25	43	75	37	34	29	27	33	14	13	5	3	4	8	5	3	22
11	5	4	3	4	2	3	4	5	12	23	34	28	23	20	14	10	10	31	18	8	5	4	3	5	12
12	4	4	4	4	4	4	5	9	6	9	13	20	51	66	22	26	15	14	14	14	6	12	18	14	15
13	13	9	12	15	9	18	5	17	11	17	10	6	18	23	7	17	35	16	39	11	7	6	5	5	14
14	7	4	13	11	14	8	5	5	9	10	16	21	22	22	24	34	30	8	2	17	7	4	4	7	13
15	5	7	11	5	12	32	28	49	18	15	24	28	30	59	65	37	17	9	7	5	7	33	53	41	25
16	10	11	5	6	75	11	28	24	31	42	32	25	30	25	28	25	34	11	18	46	35	8	11	21	25
17	10	23	13	10	11	12	28	30	55	37	49	35	26	21	18	10	9	20	7	34	9	20	23	14	22
18	24	11	19	26	17	7	5	6	7	10	9	8	22	16	38	10	45	26	10	17	76	25	24	61	22
19	8	20	13	10	10	10	7	7	9	23	36	42	14	14	9	17	10	6	7	7	22	22	15	8	14
20	6	8	5	6	5	5	5	5	10	15	41	53	35	30	28	25	13	4	10	20	33	10	21	14	17
21	8	21	43	18	19	26	9	6	5	8	33	43	54	18	12	11	7	3	25	28	40	30	4	11	20
22	13	16	6	12	21	12	7	9	6	6	11	10	16	19	19	24	21	8	5	6	7	8	6	6	11
23	25	34	5	11	10	10	6	13	28	10	22	14	18	15	19	10	7	7	9	9	15	11	8	11	14
24	7	6	5	8	8	5	6	16	34	47	39	25	11	13	10	15	14	12	22	46	12	13	3	5	16
25	5	4	6	7	4	4	5	5	8	14	31	8	12	22	14	15	12	19	39	55	17	17	11	9	14
26	31	14	10	27	6	11	16	55	33	49	38	45	24	19	45	47	19	12	3	6	9	8	8	8	23
27	7	2	3	4	8	3	8	4	6	25	44	36	45	48	43	34	11	12	18	16	12	16	10	6	18
28	7	8	5	11	21	33	15	7	14	18	21	32	26	46	29	68	12	46	19	21	51	11	6	4	22
29	13	6	9	10	13	12	7	20	19	20	36	39	48	50	28	36	12	18	10	12	11	6	10	7	19
30	4	15	9	9	21	14	3	5	7	26	26	10	14	11	12	6	6	5	9	7	8	12	9	31	12
HOURLY																									
MEAN	14	13	12	12	15	17	14	15	20	24	31	29	29	27	25	23	19	14	14	21	19	17	13	15	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	73	50	47	76	51	66	72	51	64	75	34	66	39	34	65	75	55	76	42	53	54	24	34	47	55
MIN	3	2	3	9	7	8	8	2	2	3	2	4	5	2	5	5	7	5	6	4	3	5	5	3	4
DAY	26	27	28	29	30	31																			
MAX	55	48	68	50	31	***																			
MIN	3	2	4	6	3	***																			

MONTHLY AVERAGE = 18.9    MONTHLY MAXIMUM = 76.3    MONTHLY MINIMUM = 2.1  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 9/ 1/1993 TO : 9/30/1993

TEMPERATURE (DEGREES F)  
SEPTEMBER - 1993

HOURLY																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	59.6	58.7	58.0	58.1	57.1	56.8	59.3	64.8	71.0	75.5	77.6	79.1	80.6	79.7	78.8	75.4	75.9	76.1	70.6	68.9	69.8	68.7	67.9	64.5	68.9
2	62.0	59.5	59.5	55.5	54.4	54.0	53.9	55.1	56.8	52.5	50.8	50.7	53.6	54.5	56.9	58.9	60.1	59.9	56.9	56.1	55.0	54.2	51.0	50.5	55.5
3	49.9	48.6	48.3	48.1	47.1	47.7	50.3	55.8	62.2	68.3	73.6	77.1	79.8	82.0	82.7	82.9	82.8	81.3	75.2	72.4	68.2	63.9	64.1	62.3	65.6
4	60.4	59.9	59.8	60.2	59.9	55.9	56.3	61.5	67.3	70.5	74.8	77.9	80.0	80.7	81.6	82.3	81.4	78.9	75.7	72.4	70.0	67.8	66.5	65.5	69.5
5	64.9	63.6	59.8	54.1	52.0	51.3	51.0	50.4	50.1	51.6	55.3	58.6	62.2	61.9	64.6	66.8	62.6	61.0	59.0	58.1	56.1	54.5	54.3	54.1	57.4
6	53.9	53.6	53.2	53.8	53.8	53.3	54.0	56.5	60.1	63.0	63.8	66.5	69.6	70.8	68.4	67.8	69.4	66.3	66.0	65.1	62.8	61.2	62.0	61.8	61.5
7	58.5	53.3	52.2	52.5	53.6	54.9	55.6	54.2	54.6	59.2	65.5	69.4	70.6	70.6	54.8	54.4	55.4	55.7	54.7	53.8	53.3	53.3	52.6	52.0	56.8
8	51.9	50.5	49.0	47.9	47.4	46.8	47.9	50.9	56.3	61.9	66.9	69.9	71.3	72.6	74.2	74.3	74.5	73.8	70.6	67.7	65.2	63.3	60.4	58.8	61.4
9	59.2	58.4	57.4	56.8	56.9	54.5	54.9	62.2	67.2	69.8	71.4	71.5	71.0	71.5	72.7	73.0	71.8	69.5	66.5	63.7	61.3	61.2	59.6	58.8	64.2
10	57.8	55.9	55.0	54.1	54.9	54.9	54.9	53.0	58.0	62.8	67.2	70.5	74.9	75.3	78.6	76.4	76.5	73.9	69.8	68.7	68.9	67.1	64.1	62.3	64.8
11	61.7	61.3	60.4	59.7	59.1	58.5	60.5	65.5	73.1	79.1	81.5	83.2	84.9	85.8	86.9	87.1	87.6	85.5	82.7	77.2	73.7	69.6	67.6	67.5	73.3
12	66.1	66.3	66.3	67.4	67.2	67.7	68.0	72.3	77.4	81.9	84.1	85.8	87.0	86.3	85.7	84.7	83.8	81.2	76.4	71.3	63.5	55.9	50.8	48.3	72.7
13	47.1	45.2	43.2	40.9	39.4	36.4	32.5	32.0	32.0	32.2	33.3	33.9	33.5	33.6	32.2	32.5	33.2	33.1	33.9	34.6	35.5	36.2	36.3	36.1	35.8
14	35.5	35.0	34.5	34.1	33.0	32.6	33.6	36.8	41.3	45.9	50.9	55.0	57.0	59.3	61.0	62.7	63.1	61.9	58.3	52.6	53.7	51.8	51.0	50.3	48.0
15	48.7	46.9	45.7	46.5	44.9	44.3	46.0	50.8	56.3	63.0	67.9	71.4	72.6	74.3	75.9	75.9	74.9	72.1	67.2	63.3	60.7	58.2	57.5	56.6	60.1
16	55.8	54.1	54.3	53.0	51.5	48.9	48.8	51.0	52.3	55.3	56.4	58.8	60.9	62.6	64.1	65.6	64.9	63.3	60.4	57.7	54.8	52.2	50.0	49.8	56.1
17	48.6	47.4	46.6	46.1	45.0	44.5	45.6	49.2	53.5	56.2	59.2	61.2	63.5	65.5	66.4	66.5	64.0	55.0	50.5	48.3	47.6	47.7	48.0	48.1	53.1
18	48.0	48.1	48.2	48.6	48.9	48.9	49.4	49.6	50.4	52.5	53.5	53.9	53.2	50.0	52.5	48.9	48.2	48.4	47.3	46.7	45.7	46.5	46.6	46.1	49.2
19	44.3	45.1	42.9	42.1	42.0	42.5	43.6	48.2	54.1	59.1	63.0	63.5	65.7	66.3	66.7	66.8	66.1	62.3	60.6	59.0	58.4	58.3	53.3	50.1	55.2
20	49.8	48.7	47.5	46.8	46.7	47.4	49.5	53.2	58.7	63.2	66.9	68.9	71.2	72.5	74.3	74.9	74.8	71.9	65.0	60.7	59.8	59.7	59.1	57.0	60.3
21	55.4	54.3	53.5	53.2	53.8	52.8	54.6	60.5	68.5	74.0	77.7	78.9	79.8	79.9	80.4	80.4	77.8	72.5	68.9	68.2	66.5	61.6	55.3	54.2	65.9
22	51.7	51.3	50.5	49.4	47.9	47.8	47.5	46.8	47.3	47.3	48.2	49.9	52.3	53.8	54.8	55.3	55.1	53.5	51.8	51.1	50.7	50.6	50.5	50.4	50.6
23	50.4	50.3	50.3	50.2	49.4	49.4	49.7	51.4	51.0	51.0	52.4	54.4	57.0	58.5	59.5	57.9	56.8	55.6	54.6	54.6	54.0	53.9	52.3	50.1	53.1
24	49.0	48.7	48.2	47.9	47.8	47.8	47.9	48.8	50.9	54.0	56.9	57.7	57.6	58.1	57.9	58.5	59.1	56.4	54.2	51.7	51.5	51.7	48.9	48.1	52.5
25	46.5	46.5	46.3	46.1	46.0	45.5	47.3	52.9	59.1	64.0	67.2	65.8	67.8	70.1	70.8	72.5	70.1	66.7	62.2	60.3	57.8	56.1	54.4	52.1	58.1
26	45.9	43.4	44.0	44.3	44.0	44.0	44.5	47.1	48.8	49.9	53.5	55.9	57.4	58.7	60.5	61.9	61.9	60.7	57.9	55.0	52.2	50.2	48.9	48.0	51.6
27	47.1	48.0	49.5	50.0	49.2	49.5	50.5	56.3	63.7	71.0	75.7	77.1	78.6	80.0	80.0	80.3	79.1	75.0	70.8	65.3	65.3	62.8	59.3	56.1	64.2
28	53.9	53.8	52.4	51.6	51.2	50.4	47.0	49.0	50.1	52.5	55.7	58.3	60.7	63.7	65.7	67.7	65.0	62.4	58.8	58.1	53.7	51.6	51.8	52.0	55.7
29	50.0	51.2	50.7	48.6	46.8	45.2	45.7	48.2	51.9	56.2	60.6	64.8	68.4	71.0	72.5	74.2	73.7	70.7	68.2	65.2	61.5	60.6	57.9	55.9	59.1
30	55.4	53.5	54.1	52.8	51.2	52.7	55.7	60.9	68.1	74.3	77.4	78.5	79.6	80.7	81.0	79.9	79.8	76.6	72.6	71.6	69.8	68.8	64.8	64.4	67.7
HOURLY																									
MEAN	53.0	52.0	51.4	50.7	50.1	49.6	50.2	53.2	57.1	60.6	63.6	65.6	67.4	68.3	68.7	68.9	68.3	66.0	62.9	60.6	58.9	57.3	55.6	54.4	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	80.6	62.0	82.9	82.3	66.8	70.8	70.6	74.5	73.0	78.6	87.6	87.0	47.1	63.1	75.9	65.6	66.5	53.9	66.8	74.9	80.4	55.3	59.5	59.1	72.5
MIN	56.8	50.5	47.1	55.9	50.1	53.2	52.0	46.8	54.5	53.0	58.5	48.3	32.0	32.6	44.3	48.8	44.5	45.7	42.0	46.7	52.8	46.8	49.4	47.8	45.5
DAY	26	27	28	29	30	31																			
MAX	61.9	80.3	67.7	74.2	81.0	***																			
MIN	43.4	47.1	47.0	45.2	51.2	***																			

MONTHLY AVERAGE = 58.9    MONTHLY MAXIMUM = 87.6    MONTHLY MINIMUM = 32.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 9/ 1/1993 TO : 9/30/1993

BAROMETRIC PRESSURE (INCHES)  
SEPTEMBER - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.7	24.7	24.7	24.7	24.7	24.8	24.7
2	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	25.0	25.0	25.0	25.0	25.0	24.9	25.0	25.0	25.0	25.0	25.0	25.0	24.9
3	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9
4	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
5	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.8
6	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9
7	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.9
8	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
9	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.0	25.0	25.0	25.0	24.9
10	25.0	25.0	25.0	25.0	25.0	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
11	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.7
12	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.5	24.5	24.6	24.5
13	24.6	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.8
14	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
15	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.8
16	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
17	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
18	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.6	24.7	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
19	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8
20	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
21	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.7
22	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9
23	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9
24	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.8
25	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.9	24.9	24.9
26	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.1	25.1	25.1	25.1	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
27	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
28	24.9	24.9	24.9	24.9	25.0	25.0	25.0	25.0	25.1	25.1	25.1	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
29	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.9	24.9	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.9
30	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7
HOURLY MEAN	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	24.8	25.0	25.0	24.9	24.9	24.9	25.0	25.0	25.0	25.0	24.8	24.6	24.9	24.9	24.8	24.9	24.9	24.8	24.8	24.9	24.8	24.9	24.9	24.9	24.9
MIN	24.6	24.8	24.8	24.8	24.8	24.8	24.9	24.8	24.8	24.8	24.6	24.4	24.6	24.8	24.7	24.8	24.7	24.6	24.7	24.8	24.7	24.8	24.8	24.8	24.7
DAY	26	27	28	29	30	31																			
MAX	25.1	25.0	25.1	25.0	24.8	***																			
MIN	25.0	24.9	24.9	24.8	24.6	***																			

MONTHLY AVERAGE = 24.8    MONTHLY MAXIMUM = 25.1    MONTHLY MINIMUM = 24.4  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE



ROCKY MOUNTAIN ARSENAL CAQMP  
SITE 4 FROM : 9/ 1/1993 TO : 9/30/1993

PRECIPITATION (.01 INCHES)  
SEPTEMBER - 1993

DAY	HOUR																								DAILY
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOTAL
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	1	6	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	4	3	5	4	8	1	1	0	1	1	2	3	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	1	0	11
18	1	0	0	0	0	0	0	0	0	0	0	0	2	23	0	0	8	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
26	8	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MONTHLY TOTAL (INCHES)= 1.03 MONTHLY MAXIMUM (INCHES)= .23  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720 VALID DATA RECOVERY RATE = 100.0% OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING CAL IS CALIBRATION CODE

RELATIVE HUMIDITY (PERCENT)  
SEPTEMBER - 1993

### DAILY MAXIMUMS AND MINIMUMS

\*\*\* IS INVALID OR MISSING      CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 1 FROM : 9/ 1/1993 TO : 9/30/1993

MAXIMUM WIND SPEED (MPH)  
SEPTEMBER - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	13.0	13.1	13.2	11.2	12.9	11.9	14.0	16.5	13.6	13.5	21.8	23.9	20.5	32.8	30.2	35.9	19.0	21.0	17.1	14.4	11.0	18.0	20.8	14.8	18.1
2	14.8	11.2	9.8	13.4	8.9	11.8	8.4	9.1	18.3	20.4	22.6	11.8	10.1	10.8	10.1	10.6	10.1	8.6	8.7	8.3	9.6	10.6	11.3	13.7	11.8
3	11.4	12.2	11.2	10.5	13.3	15.7	16.8	19.4	21.4	22.2	18.4	15.9	15.4	13.3	16.0	15.9	13.7	12.4	12.8	10.8	9.7	10.4	12.8	16.2	14.5
4	12.0	12.1	9.7	8.5	7.6	8.8	9.2	8.3	8.1	9.9	10.1	12.8	13.1	13.5	13.8	19.4	14.8	11.8	38.1	17.9	20.3	14.7	17.6	14.9	13.6
5	8.9	11.9	11.9	17.7	12.9	10.9	10.8	10.7	9.0	5.0	8.0	11.3	13.8	14.6	13.9	29.0	25.0	21.6	16.7	11.4	12.6	12.6	6.3	5.6	13.0
6	5.8	8.1	8.3	7.6	7.2	6.4	7.2	10.7	8.1	10.3	11.8	13.3	16.6	16.0	20.2	22.1	15.6	24.4	17.4	11.9	10.0	15.2	13.1	7.7	12.3
7	14.0	10.8	9.4	8.4	10.5	8.7	10.5	17.6	18.6	16.1	14.9	12.6	18.3	29.9	60.6	24.1	9.5	4.3	15.3	8.1	4.4	5.9	5.8	6.2	14.4
8	7.6	7.6	9.4	9.2	9.3	8.7	8.7	13.3	14.8	14.9	11.0	11.1	13.8	15.8	12.6	13.3	11.6	8.5	10.3	11.2	12.2	10.4	11.7	13.4	11.3
9	13.5	14.0	13.0	15.4	12.4	10.1	10.8	9.3	17.2	21.1	17.2	26.3	25.4	19.3	15.8	15.3	12.9	14.7	10.8	10.0	10.5	12.5	12.3	14.9	14.8
10	13.3	7.7	8.9	10.6	8.6	4.8	11.9	11.3	12.9	9.2	10.6	13.7	14.0	14.1	13.1	22.6	28.4	24.6	16.2	16.9	17.8	18.4	17.1	15.7	14.3
11	15.9	15.0	11.4	16.2	18.1	17.0	15.1	17.8	14.1	10.3	15.6	17.9	22.4	21.4	31.6	23.6	22.4	16.7	11.3	13.1	15.2	15.6	14.1	14.8	16.9
12	16.4	13.9	16.1	20.0	20.3	24.3	19.7	21.0	30.5	27.3	23.8	22.1	26.5	12.0	14.8	15.4	20.5	20.1	28.1	32.4	43.8	34.9	31.6	23.5	23.3
13	17.5	21.5	20.8	18.9	19.8	21.4	18.8	12.4	7.0	9.9	17.4	16.1	11.7	18.4	14.7	9.4	5.0	4.5	3.6	6.1	8.1	13.2	9.4	7.8	13.1
14	9.0	9.2	9.3	7.4	8.1	9.1	13.1	14.2	14.8	14.6	16.0	16.1	15.0	13.7	14.1	15.7	14.4	8.8	12.8	12.8	15.0	13.1	16.8	12.4	12.7
15	10.2	10.4	14.1	10.2	10.0	6.0	5.2	4.2	8.4	10.5	11.4	10.2	14.9	11.2	8.8	11.4	13.6	13.4	13.9	21.1	15.3	13.1	6.8	7.3	10.9
16	10.6	9.8	12.6	13.8	19.5	10.0	6.5	10.5	9.4	10.3	11.2	18.2	15.0	16.6	15.7	16.6	14.7	16.3	11.1	12.9	9.7	11.8	15.8	8.7	12.8
17	10.3	10.7	7.6	4.9	4.7	5.9	6.3	6.2	6.7	7.7	14.4	15.3	20.3	16.3	24.6	19.5	34.9	32.4	24.5	15.0	11.5	7.0	3.6	5.1	13.1
18	5.0	5.0	5.7	4.3	6.9	8.8	13.4	12.2	14.3	17.2	19.4	30.1	38.9	29.5	23.3	23.4	16.2	23.9	12.3	10.6	7.7	6.9	4.6	5.0	14.4
19	7.9	6.4	9.9	10.4	11.6	14.3	14.2	14.9	13.2	10.5	12.7	20.2	25.0	26.0	27.3	21.5	24.7	30.1	21.9	19.0	14.7	12.4	13.0	10.7	16.3
20	12.1	11.5	12.4	15.5	16.6	14.8	16.7	16.3	13.1	12.5	9.9	11.1	11.9	15.9	13.0	15.0	17.2	14.4	12.5	14.6	13.6	12.5	10.6	13.0	13.6
21	13.7	7.1	4.1	10.6	9.8	10.4	11.4	18.2	23.1	20.5	14.9	12.8	17.8	18.5	21.5	22.5	22.9	10.9	10.2	8.9	12.7	20.9	17.4	14.1	14.8
22	12.2	15.1	13.1	14.1	7.5	6.3	11.3	15.3	12.8	11.5	11.9	12.9	13.7	12.4	10.3	8.0	10.2	13.2	12.7	12.6	8.4	6.5	7.7	4.8	11.0
23	4.6	3.8	7.0	12.1	13.3	12.0	13.9	11.5	10.6	10.8	9.3	11.9	12.4	14.4	15.6	16.3	12.9	12.2	8.1	8.7	6.9	7.9	13.4	11.7	10.9
24	10.9	10.9	9.7	6.5	6.1	6.5	6.3	5.3	5.8	7.8	14.9	16.2	17.3	19.4	11.9	19.4	17.1	16.8	11.8	8.1	8.5	8.6	9.8	10.9	11.1
25	11.4	11.4	12.7	12.2	14.0	15.0	13.8	14.3	17.1	12.2	23.3	20.8	14.4	15.5	29.1	28.5	21.1	19.2	14.6	6.8	17.1	14.6	22.4	18.6	16.7
26	22.3	11.7	9.6	8.2	9.4	7.9	9.6	10.1	9.8	8.5	10.6	11.9	13.4	12.5	8.8	8.6	8.2	8.2	10.3	10.3	10.9	8.8	11.4	12.7	10.6
27	13.8	17.3	16.3	17.1	12.5	14.6	15.6	15.3	14.1	11.8	6.7	11.5	11.7	11.6	12.8	13.2	12.2	14.1	13.2	11.7	11.2	9.1	12.4	12.5	13.0
28	12.4	10.4	13.2	13.7	8.5	10.8	9.9	18.0	16.1	13.2	13.5	11.8	13.9	13.4	10.2	13.5	15.1	15.9	12.4	9.9	10.6	11.3	10.1	11.0	12.5
29	9.6	10.4	10.3	10.0	6.4	6.1	6.0	8.2	8.4	9.0	9.3	8.4	8.2	9.6	12.1	16.1	11.8	7.9	16.4	23.6	12.9	12.2	12.2	15.4	10.9
30	16.4	18.5	16.5	15.1	20.9	17.9	16.0	14.8	17.2	18.3	29.2	34.8	34.3	32.7	33.4	32.3	30.2	28.3	12.9	10.5	13.1	12.3	9.4	19.6	21.0
HOURLY																									
MEAN	11.9	11.3	11.2	11.8	11.6	11.2	11.7	12.9	13.6	13.2	14.7	16.1	17.3	17.4	18.7	18.6	16.9	16.0	14.6	13.0	12.8	12.7	12.7	12.1	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	35.9	22.6	22.2	38.1	29.0	24.4	60.6	15.8	26.3	28.4	31.6	43.8	21.5	16.8	21.1	19.5	34.9	38.9	30.1	17.2	23.1	15.3	16.3	19.4	29.1
MIN	11.0	8.3	9.7	7.6	5.0	5.8	4.3	7.6	9.3	4.8	10.3	12.0	3.6	7.4	4.2	6.5	3.6	4.3	6.4	9.9	4.1	4.8	3.8	5.3	6.8
DAY 26 27 28 29 30 31																									
MAX	22.3	17.3	18.0	23.6	34.8	***																			
MIN	7.9	6.7	8.5	6.0	9.4	***																			

MONTHLY AVERAGE = 13.9    MONTHLY MAXIMUM = 60.6    MONTHLY MINIMUM = 3.6  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 1 FROM : 9/ 1/1993 TO : 9/30/1993

10M-2M TEMPERATURE DIFFERENCE  
SEPTEMBER - 1993

.....DAILY																									
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1.7	1.9	2.3	3.1	2.2	2.0	.2	-.6	-.8	-.9	-1.7	-2.0	-1.9	-1.7	-1.2	-.3	.0	.4	2.0	1.5	2.0	1.4	.7	.8	.5
2	1.0	4.8	4.6	1.4	1.6	1.0	.6	-.2	-.5	.3	.2	.2	-.2	-.4	-1.1	-.8	-.7	-.3	2.5	4.3	5.4	5.5	2.7	1.8	1.4
3	2.3	1.8	2.3	3.1	2.5	1.5	.4	-.3	-.9	-1.3	-1.3	-1.4	-1.2	-1.3	-1.4	-1.0	-.4	.8	1.8	4.4	6.7	6.6	5.8	3.3	1.4
4	5.7	7.7	8.5	8.5	6.5	4.8	1.8	-.2	-1.1	-1.0	-1.1	-1.4	-1.5	-1.4	-1.2	-1.1	-.2	.7	.9	.7	.6	1.8	.6	1.3	1.7
5	2.2	3.6	2.7	.6	1.1	.3	-.1	-.2	-.2	-.3	-.9	-1.6	-1.7	-1.6	-1.6	-1.3	-.4	-.1	.1	.0	.1	.2	.2	.3	.1
6	2.0	.5	.6	.5	.7	.5	-.1	-.5	-.6	-1.2	-1.6	-1.6	-2.0	-1.9	-.7	-.6	-.1	.1	.5	1.0	1.4	1.5	.9	.8	.0
7	1.1	.6	-.0	.9	1.0	1.7	.9	-.3	.0	-.8	-1.2	-1.3	-1.8	-2.0	.1	-.1	-.0	.2	.4	.7	1.6	2.8	.9	1.3	.3
8	2.2	2.4	2.1	2.0	2.8	3.5	.9	-.2	-.7	-.9	-.8	-.9	-1.4	-1.3	-.9	-.7	-.4	.5	6.6	6.5	5.4	3.7	3.2	2.6	1.5
9	2.3	2.2	2.7	3.3	4.0	6.9	1.2	-.4	-1.0	-1.7	-1.7	-2.0	-1.8	-1.4	-1.6	-1.0	-.3	.2	1.1	1.5	.6	.3	.4	.3	.6
10	.7	2.9	5.1	4.4	5.8	4.0	.8	-.8	-1.0	-1.1	-1.4	-1.4	-1.5	-1.0	-1.2	-.2	-.1	.5	.9	1.3	1.5	1.2	1.1	1.6	.9
11	1.9	3.2	5.3	3.8	2.1	1.7	.5	-.5	-.7	-.8	-1.2	-1.3	-1.8	-1.6	-1.6	-1.1	-.6	1.1	5.7	6.7	6.3	4.6	2.9	4.1	1.6
12	3.2	3.8	2.5	2.1	1.5	1.2	.5	-.4	-.9	-1.4	-1.5	-1.4	-.9	-.3	-.7	.0	.3	.9	.6	.6	.1	.1	.1	-.1	.4
13	-.1	.1	.0	.1	.0	.1	.2	.2	.2	.2	-.3	-1.5	-.9	-.5	.0	-.4	-.4	-.3	-.3	-.2	-.1	.1	.1	.4	-.1
14	1.3	1.7	2.0	2.5	2.9	2.0	.5	-.3	-.9	-1.0	-1.2	-1.2	-1.1	-1.2	-.9	-.5	-.2	1.0	3.0	2.7	1.9	1.7	1.5	2.5	.8
15	4.6	3.3	4.0	3.8	5.4	4.2	.6	-1.1	-.5	-.6	-.7	-1.0	-.9	-.9	-.6	-.6	-.1	1.2	2.6	1.3	1.5	3.5	5.2	7.1	1.7
16	6.8	5.1	4.2	3.5	3.1	3.6	.7	-.6	-.6	-1.2	-.9	-1.5	-1.3	-1.5	-1.2	-1.1	-.2	.3	.6	1.2	1.2	.9	.6	.6	.9
17	1.3	1.9	1.5	1.2	.4	.3	-.0	-.4	-.6	-.9	-1.1	-1.5	-1.4	-1.1	-.9	-.4	-.2	-.0	-.1	-.1	-.1	.0	.0	.0	-.1
18	.0	.0	.1	.1	.1	.3	.2	.1	.0	-.4	-.8	-.2	.2	.1	-.3	-.2	.5	.4	.8	1.5	2.0	2.3	3.6	4.2	.6
19	4.8	4.6	3.2	1.9	1.2	1.3	.4	-.1	-.5	-.6	-.8	-.9	-1.3	-1.6	-1.1	-.6	-.4	.6	.9	1.6	4.2	4.4	3.6	2.4	1.1
20	2.6	2.7	2.8	2.0	2.0	1.8	.6	-.3	-.7	-.8	-.8	-.9	-.9	-.8	-.8	-.4	.1	1.5	4.2	3.2	3.7	4.5	4.6	6.6	1.5
21	4.4	4.5	6.2	8.6	7.9	7.2	4.7	-.1	-.6	-.9	-.8	-.7	-1.2	-1.3	-1.2	-.5	1.1	2.0	2.4	6.1	6.9	3.6	1.0	2.2	2.6
22	2.3	.8	.2	.1	.0	.1	.1	.1	.0	-.0	-.2	-.6	-.6	-.6	-.5	-.2	-.1	.1	.1	.1	.2	.2	.2	.3	.1
23	.3	.2	.2	.1	.1	.1	.1	.0	-.4	-.6	-.7	-.9	-1.4	-1.2	-1.2	-.6	.0	.8	.4	.3	.3	.3	.1	.1	-.1
24	.1	.1	.0	.1	.1	.0	-.1	-.3	-.5	-.8	-1.2	-1.0	-.6	-.5	-.3	-.5	-.2	.6	1.8	2.3	5.7	7.0	3.9	3.5	.8
25	2.6	3.1	3.1	3.0	2.3	2.1	1.3	.0	-.6	-.6	-.9	-.5	-1.2	-1.0	-.3	-.8	-.0	2.0	3.2	3.7	2.7	.8	.7	.5	1.0
26	.5	.4	.3	.7	1.4	1.5	1.1	-.2	-.7	-.7	-.8	-1.3	-1.4	-1.2	-.9	-.4	-.0	2.3	8.3	7.6	6.3	6.7	5.5	3.6	1.6
27	2.4	1.8	2.1	2.3	3.7	3.6	1.1	-.2	-.6	-.6	-.9	-1.0	-1.1	-1.1	-.8	-.6	.2	2.0	3.6	5.4	5.6	6.6	9.2	4.7	2.0
28	4.4	6.5	4.5	4.8	5.0	6.8	2.1	-.7	-1.3	-1.5	-1.5	-1.3	-1.3	-1.2	-.6	-.7	.2	1.9	2.6	3.1	2.0	4.8	4.3	4.9	2.0
29	4.8	5.9	4.4	4.9	3.0	4.1	3.1	-.4	-.8	-1.3	-1.1	-1.1	-1.0	-.9	-.6	-.5	.2	1.8	4.0	1.4	3.8	4.5	5.3	3.8	2.0
30	4.0	2.2	3.1	6.5	3.5	3.8	2.4	-.0	-.7	-.9	-1.3	-1.4	-1.6	-1.5	-1.1	-.1	.1	1.1	4.5	5.0	4.4	5.0	5.5	4.8	2.0
HOURLY																									
MEAN	2.4	2.7	2.7	2.7	2.5	2.4	.9	-.3	-.6	-.8	-1.0	-1.1	-1.2	-1.1	-.9	-.6	-.1	.8	2.2	2.5	2.8	2.9	2.5	2.4	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
MAX	3.1	5.5	6.7	8.5	3.6	2.0	2.8	6.6	6.9	5.8	6.7	3.8	.4	3.0	7.1	6.8	1.9	4.2	4.8	6.6	8.6	2.3	.8	7.0	3.7		
MIN	-2.0	-1.1	-1.4	-1.5	-1.7	-2.0	-2.0	-1.4	-2.0	-1.5	-1.8	-1.5	-1.5	-1.2	-1.1	-1.5	-1.5	-.8	-1.6	-.9	-1.3	-.6	-1.4	-1.2	-1.2		
-----																											
											DAY	26	27	28	29	30	31										
											MAX	8.3	9.2	6.8	5.9	6.5	***										
											MIN	-1.4	-1.1	-1.5	-1.3	-1.6	***										

MONTHLY AVERAGE = 1.0    MONTHLY MAXIMUM = 9.2    MONTHLY MINIMUM = -2.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 3 FROM : 9/ 1/1993 TO : 9/30/1993

SOLAR RADIATION (LANGLEYS/HR)  
SEPTEMBER - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	.0	.0	.0	.0	.0	.0	.2	.5	.8	1.0	1.2	1.4	1.1	1.1	.9	.3	.2	.1	.0	.0	.0	.0	.0	.0	.4
2	.0	.0	.0	.0	.0	.0	.1	.3	.4	.1	.1	.2	.5	.7	1.0	.7	.5	.2	.0	.0	.0	.0	.0	.0	.2
3	.0	.0	.0	.0	.0	.0	.2	.5	.8	1.1	1.3	1.4	1.4	1.2	1.1	.8	.5	.2	.0	-.0	.0	.0	.0	.0	.4
4	.0	.0	.0	.0	.0	.0	.2	.5	.8	1.0	1.2	1.3	1.3	1.2	1.0	.7	.3	.1	.0	.0	.0	.0	.0	.0	.4
5	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.6	1.2	1.3	.8	.9	.6	.2	.1	.0	.0	.0	.0	.0	.0	.2
6	.0	.0	.0	.0	.0	.0	.1	.4	.7	1.0	1.2	1.3	1.4	1.2	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.3
7	.0	.0	.0	.0	.0	.0	.1	.1	.2	.8	1.2	1.2	1.3	1.3	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.3
8	.0	.0	.0	.0	.0	.0	.2	.5	.8	1.0	1.2	1.3	1.3	1.2	1.0	.7	.4	.1	.0	.0	.0	.0	.0	.0	.4
9	.0	.0	.0	.0	.0	.0	.2	.5	.7	1.0	1.2	1.0	1.2	.7	.9	.7	.2	.1	.0	.0	.0	.0	.0	.0	.3
10	.0	.0	.0	.0	.0	.0	.2	.4	.7	1.0	1.2	1.3	1.3	.7	1.0	.2	.2	.1	.0	.0	.0	.0	.0	.0	.3
11	.0	.0	.0	.0	.0	.0	.2	.5	.8	1.0	1.2	1.3	1.3	1.2	1.0	.7	.4	.1	.0	-.0	-.0	.0	.0	.0	.4
12	.0	.0	.0	.0	.0	.0	.2	.5	.8	1.0	1.2	1.3	1.2	.6	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.3
13	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.3	.2	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.1
14	.0	.0	.0	.0	.0	.0	.3	.5	.8	1.0	1.2	1.3	1.3	1.2	1.0	.7	.4	.1	.0	.0	.0	.0	.0	.0	.4
15	.0	.0	.0	.0	.0	.0	.2	.5	.8	1.0	1.2	1.3	1.3	1.2	.9	.7	.4	.1	.0	.0	.0	.0	.0	.0	.4
16	.0	.0	.0	.0	.0	.0	.1	.5	.5	.9	1.1	1.2	1.1	1.1	.9	.6	.2	.1	.0	.0	.0	.0	.0	.0	.3
17	.0	.0	.0	.0	.0	.0	.1	.4	.7	.9	1.1	1.2	1.2	1.1	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.3
18	.0	.0	.0	.0	.0	.0	.0	.1	.2	.5	.5	.4	.3	.3	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1
19	.0	.0	.0	.0	.0	.0	.1	.4	.7	1.0	1.1	1.0	.9	1.1	.9	.4	.4	.1	.0	.0	.0	.0	.0	.0	.3
20	.0	.0	.0	.0	.0	.0	.1	.4	.7	1.0	1.2	1.3	1.2	1.1	.9	.6	.3	.1	.0	.0	.0	.0	.0	.0	.4
21	.0	.0	.0	.0	.0	.0	.1	.4	.7	1.0	1.2	1.2	1.2	1.1	.9	.6	.2	.0	-.0	.0	.0	.0	.0	.0	.4
22	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.4	.6	.5	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.1
23	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.4	.6	1.0	.8	.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	.2
24	.0	.0	.0	.0	.0	.0	.0	.1	.5	.5	1.0	.8	.3	.3	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.2
25	.0	.0	.0	.0	.0	.0	.1	.4	.7	1.0	1.0	.6	1.2	.5	.3	.5	.3	.0	.0	.0	.0	.0	.0	.0	.3
26	.0	.0	.0	.0	.0	.0	.1	.3	.5	.8	1.1	1.2	1.2	1.1	.8	.6	.3	.0	.0	.0	.0	.0	.0	.0	.3
27	.0	.0	.0	.0	.0	.0	.1	.4	.7	.9	1.1	1.2	1.2	1.0	.8	.5	.3	.0	-.0	.0	.0	.0	.0	.0	.3
28	.0	.0	.0	.0	.0	.0	.1	.4	.7	.9	1.0	1.1	1.1	.9	.7	.4	.2	.0	.0	.0	.0	.0	.0	.0	.3
29	.0	.0	.0	.0	.0	.0	.1	.4	.7	.9	1.1	1.2	1.1	1.0	.8	.5	.2	.0	.0	.0	.0	.0	.0	.0	.3
30	.0	.0	.0	.0	.0	.0	.1	.4	.7	.9	1.1	1.1	1.2	1.1	.8	.4	.3	.0	-.0	.0	.0	.0	.0	.0	.3
HOURLY																									
MEAN	.0	.0	.0	.0	.0	.0	.1	.3	.6	.8	1.0	1.0	1.1	.9	.7	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	1.4	1.0	1.4	1.3	1.3	1.4	1.3	1.3	1.2	1.3	1.3	1.3	.3	1.3	1.3	1.2	1.2	.7	1.1	1.3	1.2	.6	1.0	1.0	1.2
MIN	.0	.0	-.0	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-.0	.0	.0	.0	.0
DAY	26	27	28	29	30	31																			
MAX	1.2	1.2	1.1	1.2	1.2	***																			
MIN	.0	-.0	.0	.0	-.0	***																			

MONTHLY AVERAGE = .3    MONTHLY MAXIMUM = 1.4    MONTHLY MINIMUM = -.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 100.0%    OPERATIONAL RECOVERY RATE = 100.0%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 9/ 1/1993 TO : 9/30/1993

OZONE (PPB)  
SEPTEMBER - 1993

HOUR																									DAILY
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	22	22	23	23	19	10	10	15	25	42	53	52	49	46	44	44	42	40	38	36	30	15	38	33	32
2	33	31	28	31	35	31	30	29	38	31	34	37	38	CAL	CAL	CAL	43	28	11	3	1	1	1	5	25
3	12	14	16	15	11	10	10	17	24	33	44	51	57	59	59	62	63	55	40	28	25	9	3	2	30
4	1	1	9	14	15	2	7	17	34	46	54	59	61	66	64	60	58	49	44	47	24	25	39	41	35
5	31	28	19	18	19	18	19	17	18	19	22	28	34	35	35	35	35	34	32	30	26	21	17	19	25
6	18	19	24	25	23	18	18	27	24	26	28	31	40	54	47	48	44	30	23	23	15	13	21	18	27
7	14	10	11	11	6	1	3	2	8	23	38	36	43	48	37	31	29	26	18	10	10	9	7	5	18
8	1	1	1	1	3	1	3	8	15	31	41	44	45	48	51	53	54	51	42	27	8	14	10	15	24
9	22	23	21	21	14	7	7	15	31	40	45	44	45	45	45	45	45	35	26	21	19	25	26	24	29
10	22	16	11	3	4	2	5	11	18	26	30	33	41	46	61	56	49	42	33	21	25	26	18	17	26
11	23	25	25	27	26	24	23	25	28	40	51	53	45	45	44	44	42	39	29	15	17	13	13	14	31
12	20	26	31	33	35	36	32	35	39	47	52	57	57	62	57	54	55	52	48	45	33	26	22	20	41
13	22	23	19	15	12	17	14	14	CAL	CAL	18	19	22	21	31	33	34	32	30	28	22	4	1	1	20
14	1	1	3	5	1	1	5	9	16	25	30	39	41	43	47	49	49	48	37	21	21	19	22	27	23
15	26	22	22	21	17	2	10	20	24	31	45	53	55	58	60	59	58	51	37	39	34	24	14	14	33
16	1	3	15	21	10	15	13	23	30	34	38	45	52	53	53	51	48	46	36	34	25	18	18	21	29
17	20	17	16	16	14	8	10	16	12	24	33	35	42	55	54	51	49	45	39	35	35	31	31	28	30
18	30	26	26	25	22	23	26	27	35	42	42	41	38	***	42	43	46	38	30	24	26	25	18	9	31
19	1	3	1	1	1	5	8	16	20	35	44	47	47	49	47	46	46	43	42	37	36	32	4	7	26
20	14	14	15	17	17	13	14	17	21	37	48	53	56	57	57	56	54	48	30	30	14	1	1	1	28
21	8	17	16	15	16	4	8	14	32	44	52	57	63	65	67	64	60	39	32	40	33	9	25	26	34
22	21	21	29	27	23	22	21	21	20	20	19	21	25	28	34	35	32	21	12	14	13	14	13	13	22
23	12	12	12	13	21	20	22	18	11	17	18	22	30	CAL	40	39	40	34	21	20	15	13	12	9	20
24	19	19	20	15	15	15	12	15	16	19	31	39	38	45	45	43	37	45	44	42	38	22	2	4	27
25	5	5	10	17	23	23	22	27	33	37	44	47	48	50	47	49	52	41	27	26	29	35	36	34	32
26	40	35	32	28	19	10	18	24	33	34	40	45	48	50	53	54	52	47	39	26	14	7	4	20	32
27	16	22	24	24	20	8	7	12	19	31	41	48	51	56	57	57	53	41	35	20	8	3	1	3	27
28	11	11	11	12	10	1	3	14	21	27	32	38	41	42	44	46	33	32	27	30	23	12	1	1	22
29	4	19	25	17	8	1	2	9	17	23	34	44	51	59	62	66	66	57	39	37	14	9	4	18	29
30	26	24	30	25	10	3	8	17	26	33	39	45	45	45	44	43	43	40	22	15	12	2	1	2	25
HOURLY																									
MEAN	17	17	18	18	16	12	13	18	24	32	38	42	45	49	49	49	47	41	32	28	22	16	14	15	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	53	43	63	66	35	54	48	54	45	61	53	62	34	49	60	53	55	46	49	57	67	35	40	45	52
MIN	10	1	2	1	17	13	1	1	7	2	13	20	1	1	2	1	8	9	1	1	4	12	9	2	5
DAY	26	27	28	29	30	31																			
MAX	54	57	46	66	45	***																			
MIN	4	1	1	1	1	***																			

MONTHLY AVERAGE = 27.7    MONTHLY MAXIMUM = 67.3    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 99.0%    OPERATIONAL RECOVERY RATE = 99.9%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 9/ 1/1993 TO : 9/30/1993

CARBON MONOXIDE (PPM)  
SEPTEMBER - 1993

DAY	HOUR																								DAILY
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	.3	.3	.3	.3	.3	.6	.8	1.0	.9	.5	.3	.1	.1	.1	.2	.2	.3	.3	.2	.3	.3	.5	.2	.2	.4
2	.1	.2	.2	.2	.2	.3	.3	.3	.2	.2	.2	.2	CAL	.2	.2	.3	.3	.5	.8	1.0	1.2	1.7	1.4	.6	.5
3	.4	.4	.3	.3	.4	.5	.7	.7	.6	.4	.4	.3	.3	.3	.2	.2	.2	.2	.3	.3	.3	.3	.3	.3	.5
4	1.6	1.2	.8	.6	.5	1.1	1.1	.8	.5	.4	.3	.3	.3	.3	.2	.2	.2	.2	.1	.2	.2	.2	.2	.1	.2
5	.3	.3	.4	.3	.1	.1	.1	.1	.1	.2	.3	.3	.3	.3	.3	.3	.3	.2	.4	.6	.6	.6	.5	.3	.3
6	.2	.1	.1	.1	.1	.1	.1	.2	.3	.3	.3	.3	.3	.3	.3	.3	.2	.4	.6	.6	.6	.5	.3	.3	.3
7	.3	.3	.2	.2	.3	.6	.7	.5	.5	.6	.4	.4	.4	.2	.1	.1	.1	.2	.3	.5	.5	.5	.4	.3	.4
8	.9	1.1	.8	.4	.4	.5	.9	1.3	1.0	.5	.2	.2	.1	.1	.1	.1	.1	.2	.2	.5	1.0	.7	.7	.6	.5
9	.3	.3	.3	.2	.3	.4	1.3	1.0	.4	.2	.3	.2	.2	.2	.1	.2	.1	.2	.2	.2	.2	.1	.1	.1	.3
10	.1	.1	.3	.4	.4	.5	.6	.4	.3	.3	.3	.3	.3	.3	.3	.4	.3	.3	.4	.5	.4	.4	.5	.5	.3
11	.3	.3	.3	.2	.2	.3	.4	.5	.6	.4	.4	.3	.1	.1	.1	.1	.2	.3	.7	1.0	.8	.8	.6	.5	.4
12	.3	.2	.1	.1	.1	.1	.3	.3	.3	.3	.3	.2	.2	.3	.3	.2	.2	.2	.2	.3	.2	.2	.2	.2	.2
13	.2	.2	.1	.2	.2	.2	.3	.3	.3	.2	.2	.3	.2	.2	CAL	.3	.2	.3	.3	.3	.3	.9	1.1	1.0	.3
14	.7	.6	.6	.6	.7	.9	1.3	1.3	1.0	.7	.6	.4	.4	.4	.4	.4	.4	.3	.3	.4	.6	.5	.5	.4	.6
15	.3	.4	.4	.4	.4	.8	.7	.5	.8	1.0	.6	.4	.3	.3	.3	.3	.3	.3	.4	.3	.3	.3	.3	.3	.5
16	1.2	1.2	.7	.5	.6	.5	.5	.5	.4	.3	.4	.3	.3	.3	.3	.3	.3	.3	.4	.3	.4	.3	.4	.3	.4
17	.3	.3	.3	.3	.3	.4	.5	.5	.8	.9	.7	.5	.4	.4	.4	.3	.4	.4	.4	.4	.4	.3	.4	.3	.4
18	.4	.4	.4	.4	.4	.4	.3	.3	.3	.3	.4	.4	.4	***	.4	.4	.4	.4	.4	.5	.6	.5	.5	.6	.9
19	1.3	1.2	1.5	1.7	.8	.6	.7	.7	.9	.6	.5	.4	.4	.4	.3	.3	.3	.3	.4	.4	.4	.9	1.4	1.3	1.3
20	.6	.5	.5	.4	.5	.7	.8	1.2	1.5	.7	.4	.4	.4	.4	.4	.4	.4	.4	.4	.5	.4	.6	1.4	.5	.4
21	1.0	.8	.7	.6	.5	.7	1.0	1.5	.8	.5	.4	.4	.4	.4	.4	.4	.4	.4	.4	.5	.4	.6	1.4	.5	.4
22	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.5	.5	.5	.5	.5	.5	.4
23	.5	.5	.5	.5	.4	.4	.4	.4	.5	.6	.5	.5	.5	.5	CAL	.5	.5	.5	.5	.6	.6	.5	.5	.5	.4
24	.4	.4	.4	.5	.5	.5	.5	.5	.5	.5	.5	.5	.4	.4	.5	.4	.4	.4	.4	.4	.4	.7	1.6	1.1	.5
25	.9	.9	.7	.6	.5	.6	.7	.8	.9	.7	.6	.5	.5	.5	.5	.4	.4	.5	.5	.6	.6	.4	.4	.4	.6
26	.4	.4	.4	.4	.5	.6	.6	.5	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.5	.6	.7	.8	.9	.5
27	.6	.5	.5	.5	.5	.8	1.1	1.3	1.3	.8	.6	.5	.5	.5	.5	.5	.4	.4	.4	.5	.9	1.0	1.1	.9	.7
28	.7	.6	.6	.5	.5	.9	1.2	.6	.5	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.5	1.4	1.2	.6
29	.8	.5	.4	.5	.7	1.2	1.5	1.1	.6	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.6	.5	.8	.9	1.1	.7
30	.5	.6	.5	.5	.6	.9	1.0	1.2	.9	.7	.6	.4	.4	.4	.4	.4	.4	.4	.5	.7	1.0	.8	1.0	1.4	1.3
HOURLY																									
MEAN	.5	.5	.5	.4	.4	.5	.7	.7	.6	.5	.4	.4	.3	.3	.3	.3	.3	.3	.3	.4	.5	.5	.6	.7	.6

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	1.0	1.7	2.2	1.6	.4	.6	.7	1.3	1.3	.6	1.0	.3	1.1	1.3	1.0	1.2	.9	.9	1.7	1.5	1.5	.5	.6	1.6	.9
MIN	.1	.1	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.3	.3	.3	.3	.3	.3	.3	.4	.4	.4	.4	.4
DAY	26	27	28	29	30	31																			
MAX	.9	1.3	1.4	1.5	1.4	***																			
MIN	.4	.4	.4	.4	.4	***																			

MONTHLY AVERAGE = .5 MONTHLY MAXIMUM = 2.2 MONTHLY MINIMUM = .1  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720 VALID DATA RECOVERY RATE = 99.4% OPERATIONAL RECOVERY RATE = 99.9%  
\*\*\* IS INVALID OR MISSING CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 9/ 1/1993 TO : 9/30/1993

SULFUR DIOXIDE (PPB)  
SEPTEMBER - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	1	1	1	1	1	1	2	3	6	8	2	1	1	1	1	1	1	1	1	1	4	7	1	1	2
2	1	1	1	1	1	1	1	1	1	1	CAL	CAL	1	1	1	1	1	8	7	5	5	4	4	1	2
3	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	2	7	2
4	7	9	6	4	4	9	7	9	7	3	3	3	1	2	1	1	1	1	1	1	13	11	1	1	4
5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	14	18	14	13	7	1	1	1	1	1	1	5	5	2	1	1	4
7	1	1	1	1	3	4	4	3	4	10	4	10	5	2	1	1	1	1	1	1	1	1	1	1	3
8	1	1	1	1	1	1	2	6	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
9	1	1	1	1	1	1	7	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	3	5	7	6	1	1	1	3	6	5	4	2	4	3	1	1	1	1	1	1	1	3
11	1	1	1	1	1	1	1	1	5	9	6	4	1	1	1	1	1	3	3	3	1	1	3	2	2
12	1	1	1	1	1	1	1	1	1	1	1	1	2	3	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	CAL	CAL	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
15	1	1	1	1	1	3	2	2	5	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	4	4	3	1	4	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
17	1	1	1	1	1	1	1	2	20	8	8	8	5	1	1	1	1	1	1	1	1	1	1	1	3
18	1	1	1	1	1	1	1	1	1	1	1	1	1	***	1	1	1	1	1	1	1	1	1	1	1
19	3	3	2	1	1	1	1	1	3	3	5	4	1	1	1	1	1	1	1	1	1	1	2	1	2
20	1	1	1	1	1	1	1	2	5	1	1	1	1	1	1	1	1	1	1	1	1	3	4	6	2
21	6	3	1	1	1	1	1	3	1	1	1	2	1	1	1	1	1	1	1	1	4	5	1	1	2
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	CAL	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	4	9	8	1	1	1	1	1	1	1	2	3	1	1	1	1	2
26	1	1	1	1	1	2	2	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	2	5	7	4	2	1	1	1	1	1	1	1	1	2	2	1	1	2
28	1	1	1	1	4	13	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2
29	1	1	1	1	4	5	5	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	3	2
30	1	1	1	1	1	2	2	3	3	8	6	1	1	1	1	1	1	1	2	1	11	10	6	12	3
HOURLY MEAN	2	2	1	1	2	2	2	2	4	4	3	3	2	1	1	1	1	1	2	1	2	2	2	2	2

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	8	8	9	13	2	18	10	10	7	7	9	3	1	3	5	4	20	3	5	6	6	1	1	3	9
MIN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

  

DAY	26	27	28	29	30	31
MAX	4	7	13	5	12	***
MIN	1	1	1	1	1	***

MONTHLY AVERAGE = 1.9    MONTHLY MAXIMUM = 20.2    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 99.2%    OPERATIONAL RECOVERY RATE = 99.9%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE



ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 9/ 1/1993 TO : 9/30/1993

NITRIC OXIDE (PPB)  
SEPTEMBER - 1993

DAY	HOUR																								DAILY
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	3	16	24	21	6	2	1	1	1	1	1	1	***	***	4	3	3	2	2	4
2	2	2	2	2	2	2	3	4	3	2	CAL	CAL	1	1	2	2	1	4	2	9	22	50	34	3	7
3	3	1	1	2	2	1	12	16	14	7	4	2	1	1	2	3	3	3	2	1	1	11	88	50	10
4	40	21	3	1	1	55	48	23	9	3	1	1	1	1	1	2	2	1	1	1	5	1	1	1	9
5	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	2	9	10	8	7	3	1	1	1	1	1	1	1	1	1	1	1	5
7	1	1	1	1	5	10	21	19	13	14	6	8	5	1	1	1	1	1	1	1	4	1	1	1	9
8	18	22	15	3	2	10	37	46	32	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5
9	1	1	1	1	1	1	63	33	6	1	1	1	1	2	3	3	1	1	1	1	1	1	1	1	4
10	1	1	1	1	1	9	33	14	9	5	5	5	4	3	3	1	3	1	1	1	1	1	1	1	3
11	1	1	1	1	1	1	4	8	14	7	4	2	1	1	1	1	3	3	2	2	1	1	1	1	1
12	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	2	3	3	2	1	1	1	1
13	1	1	1	1	1	1	1	1	1	CAL	CAL	CAL	1	1	1	1	1	1	1	1	1	10	11	5	2
14	1	1	1	1	5	14	29	28	18	9	8	4	2	3	6	4	4	3	2	2	2	2	1	1	6
15	1	1	1	1	1	38	25	9	16	15	5	3	1	1	4	1	1	1	1	1	1	1	1	1	5
16	27	19	2	1	2	3	8	9	5	5	4	3	3	3	6	3	3	3	2	2	2	3	3	3	5
17	2	2	3	1	2	2	5	9	36	23	13	9	6	4	4	3	3	2	1	1	1	1	2	3	6
18	2	3	2	2	2	2	2	2	2	1	2	1	1	***	28	6	3	3	2	2	2	2	3	3	4
19	21	13	30	39	4	1	8	11	22	8	6	5	3	5	7	5	5	5	4	3	3	3	14	4	10
20	3	3	3	2	1	1	9	20	33	8	3	1	1	1	7	1	1	1	1	2	13	21	9	11	7
21	3	2	2	2	2	15	21	39	11	5	1	1	1	2	8	3	1	1	1	1	2	23	3	2	6
22	2	2	2	1	1	2	2	3	2	2	3	3	3	3	2	2	2	2	3	3	2	3	2	2	2
23	2	2	2	2	2	1	1	2	7	5	7	8	CAL	CAL	2	3	2	2	2	2	3	3	3	4	3
24	3	3	3	3	3	3	3	4	7	7	4	3	2	1	1	2	3	2	2	2	3	5	29	6	4
25	3	3	1	1	1	1	2	6	11	12	6	1	1	1	1	1	1	1	1	1	3	3	3	3	3
26	2	1	2	3	3	3	5	8	5	4	4	4	3	3	3	3	3	3	2	3	3	3	7	3	3
27	2	1	1	1	1	2	17	31	33	12	4	1	1	1	1	1	1	1	1	1	13	9	10	4	6
28	3	3	4	3	5	48	74	14	6	3	2	1	1	1	3	3	4	3	2	3	3	5	34	15	10
29	6	4	3	3	11	63	77	35	15	9	2	1	1	1	1	1	1	1	1	1	2	4	10	3	11
30	3	3	2	2	6	13	16	20	13	9	5	1	1	1	1	1	1	1	1	1	1	13	32	32	7
HOURLY																									
MEAN	5	4	3	3	2	10	18	15	12	7	4	3	2	2	3	2	2	2	2	2	3	6	10	6	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	24	50	88	55	2	10	21	46	63	33	14	3	11	29	38	27	36	28	39	33	39	3	8	29	12
MIN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

  

DAY	26	27	28	29	30	31
MAX	8	33	74	77	32	***
MIN	1	1	1	1	1	***

MONTHLY AVERAGE = 5.4    MONTHLY MAXIMUM = 87.6    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 98.6%    OPERATIONAL RECOVERY RATE = 99.6%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 9/ 1/1993 TO : 9/30/1993

NITROGEN DIOXIDE (PPB)  
SEPTEMBER - 1993

DAY	HOUR																								DAILY MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	11	10	9	9	12	22	25	27	33	18	9	2	2	3	3	4	7	***	6	7	14	31	6	6	12
2	3	3	9	5	4	6	6	8	4	5	CAL	CAL	3	3	4	5	7	25	39	45	46	45	36	25	15
3	15	13	9	11	15	17	20	19	20	12	8	5	4	3	3	3	3	3	6	11	19	31	52	55	15
4	49	47	37	28	24	44	38	33	21	11	9	8	5	5	4	4	3	4	6	9	21	17	9	9	19
5	10	12	15	10	4	5	3	5	4	4	4	4	4	5	3	3	2	3	3	3	4	4	5	3	5
6	4	4	3	5	3	3	4	5	13	15	13	12	8	5	6	6	4	13	24	28	26	20	12	13	10
7	13	10	8	8	15	24	20	17	21	22	13	18	13	6	4	3	4	7	12	21	19	18	16	14	14
8	27	29	25	21	19	20	20	26	30	14	5	3	2	2	3	3	4	5	9	21	40	30	31	25	17
9	14	11	10	9	16	20	29	28	12	5	6	3	3	2	2	2	2	5	8	8	8	5	5	5	9
10	4	9	16	25	26	32	28	13	11	9	10	11	10	11	9	16	13	10	11	22	21	14	19	19	16
11	13	11	10	8	9	12	14	16	28	19	14	9	1	1	1	1	2	9	24	41	33	33	26	21	15
12	13	7	4	2	3	3	8	8	6	3	3	3	4	5	3	3	3	3	4	4	4	4	5	5	5
13	4	3	3	4	4	4	8	6	7	CAL	CAL	CAL	4	4	4	3	3	4	4	4	10	34	36	33	9
14	29	27	23	19	24	24	22	21	18	14	15	10	6	6	6	7	6	4	6	16	19	20	15	9	15
15	9	10	11	12	16	33	23	14	24	27	13	6	3	2	3	3	2	3	9	5	7	12	24	22	12
16	42	42	24	14	26	17	18	12	7	6	6	5	4	4	3	4	3	3	5	5	6	7	6	4	11
17	5	6	7	7	8	11	11	10	28	30	23	16	11	5	5	4	4	4	5	5	5	7	6	7	10
18	5	7	5	5	5	7	6	6	5	4	4	4	4	***	4	7	3	8	11	14	10	12	23	35	8
19	38	37	33	30	23	16	15	16	27	15	11	9	2	2	1	3	3	4	4	7	6	10	36	27	16
20	17	16	13	12	15	22	24	28	43	16	5	4	3	2	2	1	1	3	12	10	34	55	55	55	19
21	40	27	24	21	22	34	33	39	24	12	6	5	4	3	3	3	4	13	16	8	17	44	10	7	18
22	7	6	4	3	4	4	5	5	5	5	5	3	3	4	3	5	6	11	15	11	13	12	12	11	7
23	12	10	9	9	5	6	5	10	16	10	11	11	CAL	CAL	9	9	10	12	17	16	15	16	12	12	11
24	6	5	5	9	9	8	12	11	10	10	7	6	7	6	6	6	4	5	6	6	9	26	45	41	11
25	29	28	22	16	11	12	17	18	25	20	12	4	4	3	3	2	3	8	16	15	7	3	3	4	12
26	2	3	4	6	13	24	17	13	6	5	4	3	3	3	3	3	3	5	11	17	22	26	33	15	10
27	19	12	12	13	16	32	33	32	39	25	15	8	10	9	8	6	6	8	9	20	39	45	43	39	21
28	25	25	24	23	25	37	29	14	7	5	5	4	3	3	4	4	8	6	13	5	5	16	41	43	16
29	32	15	9	16	27	37	35	26	16	13	9	10	12	10	9	8	6	8	13	11	33	39	45	26	19
30	16	16	11	14	30	40	37	30	24	21	16	2	1	1	1	3	4	8	26	33	36	47	46	44	21
HOURLY MEAN	17	15	13	13	14	19	19	17	18	13	9	7	5	4	4	4	5	7	12	14	18	23	24	21	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	33	46	55	49	15	28	24	40	29	32	41	13	36	29	33	42	30	35	38	55	44	15	17	45	29
MIN	2	3	3	3	2	3	3	2	2	4	1	2	3	4	2	3	4	3	1	1	3	3	5	4	2

DAY	26	27	28	29	30	31
MAX	33	45	43	45	47	***
MIN	2	6	3	6	1	***

MONTHLY AVERAGE = 13.2    MONTHLY MAXIMUM = 55.4    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 98.8%    OPERATIONAL RECOVERY RATE = 99.7%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

ROCKY MOUNTAIN ARSENAL CAQMMP  
SITE 4 FROM : 9/ 1/1993 TO : 9/30/1993

NITROGEN OXIDES (PPB)  
SEPTEMBER - 1993

DAY	HOUR																								DAILY
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	14	13	11	11	14	25	42	51	54	25	12	3	3	4	5	6	9	***	***	11	17	34	8	9	17
2	6	6	12	8	7	8	9	13	7	8	CAL	CAL	4	5	7	8	9	30	42	55	69	95	70	29	23
3	19	15	12	14	18	19	32	36	35	20	12	8	6	5	6	6	6	6	9	14	21	42	140	105	25
4	90	69	41	29	26	100	87	57	30	14	11	10	7	7	6	6	6	6	8	11	27	20	11	10	29
5	12	13	16	11	5	5	4	6	4	5	7	6	5	6	5	4	3	3	3	3	4	5	6	4	6
6	4	5	4	6	4	4	5	8	22	26	22	19	12	7	7	8	6	15	26	30	27	22	13	15	13
7	14	11	9	10	20	35	42	36	35	36	19	26	18	8	5	4	4	8	13	22	20	20	17	15	19
8	45	51	41	25	22	31	58	72	62	23	8	5	4	4	5	5	6	7	10	22	44	32	33	26	27
9	15	12	11	10	17	21	93	61	18	7	8	4	4	5	6	5	5	7	9	9	9	6	5	6	15
10	5	10	17	26	28	41	61	28	20	14	16	17	14	14	12	18	16	12	13	24	22	15	20	21	20
11	14	12	12	9	11	13	19	24	42	27	18	11	4	4	4	4	6	13	27	44	35	35	28	23	18
12	14	9	5	3	3	4	10	11	9	5	4	4	6	7	5	5	5	6	7	8	7	5	5	5	6
13	4	3	2	3	3	3	6	4	9	CAL	CAL	CAL	4	4	4	3	1	3	3	4	10	45	47	38	10
14	31	29	24	19	30	38	51	49	37	24	24	14	9	10	13	11	11	8	9	19	21	23	18	12	22
15	11	11	13	13	16	71	49	23	40	42	19	9	4	3	7	5	4	5	10	7	9	14	26	24	18
16	70	62	27	17	29	20	27	22	13	12	10	8	7	7	10	8	6	6	8	8	9	10	9	7	17
17	7	9	10	10	10	14	16	20	65	53	37	25	18	10	10	7	8	7	7	7	8	10	9	10	16
18	8	10	8	8	8	9	8	8	7	6	6	7	6	***	33	14	7	11	14	17	13	15	26	39	12
19	59	50	63	70	27	18	24	28	49	23	17	14	6	8	10	8	8	9	8	10	9	14	51	31	26
20	21	19	17	15	17	24	34	49	76	24	9	6	4	4	9	4	4	5	13	12	47	76	65	67	26
21	44	29	27	24	25	50	55	79	36	18	7	6	5	6	12	6	6	15	16	8	20	67	13	10	24
22	10	9	6	6	6	7	8	8	8	7	8	6	7	7	6	8	9	14	19	14	16	15	15	14	10
23	15	12	12	12	8	8	7	12	23	16	18	19	CAL	CAL	11	12	13	15	19	19	18	19	16	16	14
24	9	9	9	13	12	12	16	15	17	17	11	9	10	8	8	9	7	7	9	9	12	32	74	48	16
25	32	32	25	18	12	13	20	24	36	32	19	4	5	3	1	1	3	7	16	18	10	7	7	7	15
26	5	5	7	9	16	27	23	21	11	10	8	7	6	6	6	6	6	8	14	20	26	30	41	18	14
27	21	15	13	14	17	34	51	63	72	37	19	9	12	11	10	8	8	9	10	21	52	55	54	43	27
28	28	28	28	26	31	85	103	29	13	9	7	5	4	5	8	8	12	9	16	8	8	22	76	58	26
29	38	19	12	19	38	101	113	61	31	22	12	11	13	9	10	8	7	8	13	12	36	44	56	29	30
30	19	19	13	17	36	54	53	51	38	30	22	1	1	3	4	5	6	10	27	33	38	60	79	76	29
HOURLY																									
MEAN	23	20	17	16	17	30	37	32	31	20	14	10	7	6	8	7	7	9	14	17	22	30	35	27	

DAILY MAXIMUMS AND MINIMUMS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
MAX	54	95	140	100	16	30	42	72	93	61	44	14	47	51	71	70	65	39	70	76	79	19	23	74	36
MIN	3	4	5	6	3	4	4	4	4	5	4	3	1	8	3	6	7	6	6	4	5	6	7	7	1

  

DAY	26	27	28	29	30	31
MAX	41	72	103	113	79	***
MIN	5	8	4	7	1	***

MONTHLY AVERAGE = 19.1    MONTHLY MAXIMUM = 140.0    MONTHLY MINIMUM = 1.0  
TOTAL POSSIBLE NUMBER OF OBSERVATIONS = 720    VALID DATA RECOVERY RATE = 98.6%    OPERATIONAL RECOVERY RATE = 99.6%  
\*\*\* IS INVALID OR MISSING    CAL IS CALIBRATION CODE

## APPENDIX K

### Quality Control Data

CAQMMP FY93

Volatile Organic Compounds Field and Trip Blank Results

(bq)

DATE	SITEID	SAMPID1	SAMPID2	11TICE	112TCE	11DCLC	12DCLC	12DOE	BCMPD	C6H6	CCL4	CH2CL2	CHCL3
10/27/92	FBLK	11A	11B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	0.687	LT 0.012
10/27/92	TRIP	12A	12B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
11/02/92	FBLK	25A	25B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	0.131	LT 0.012
11/02/92	TRIP	26A	26B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
11/08/92	FBLK	37A	37B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	0.241	LT 0.012
11/08/92	TRIP	38A	38B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	0.017	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
11/14/92	FBLK	51A	51B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
11/14/92	TRIP	52A	52B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
11/20/92	FBLK	63A	63B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
11/20/92	TRIP	64A	64B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
11/26/92	FBLK	75A	75B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
11/26/92	TRIP	76A	76B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	GE	LT 0.012
12/02/92	FBLK	87A	87B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
12/02/92	TRIP	88A	88B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	0.142	LT 0.012
12/08/92	FBLK	99A	99B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
12/08/92	TRIP	100A	100B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	0.288	LT 0.012
12/11/92	FBLK	111A	111B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
12/11/92	TRIP	110A	110B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
12/14/92	FBLK	122A	122B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
12/14/92	TRIP	123A	123B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
12/20/92	FBLK	136A	136B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
12/20/92	TRIP	137A	137B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	GE	LT 0.012
12/26/92	FBLK	148A	148B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	0.799	LT 0.012
12/26/92	TRIP	149A	149B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	0.160	LT 0.012
01/01/93	FBLK	160A	160B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
01/01/93	TRIP	161A	161B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	GE	LT 0.012
01/07/93	FBLK	172A	172B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	0.100	LT 0.012
01/07/93	TRIP	173A	173B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	0.349	LT 0.012
01/13/93	FBLK	189A	189B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
01/13/93	TRIP	190A	190B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	0.175	LT 0.012
01/19/93	FBLK	202A	202B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	0.119	LT 0.012
01/19/93	TRIP	201A	201B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	1.090	LT 0.012
01/25/93	FBLK	213A	213B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
01/25/93	TRIP	214A	214B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
01/31/93	FBLK	226A	226B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
01/31/93	TRIP	227A	227B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
02/06/93	FBLK	246A	246B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	0.130	LT 0.012

NOTE: LT - denotes value below lower Certified Reporting Limit  
GT - denotes value above upper Certified Reporting Limit  
GE - denotes lab estimate of value above upper CRL  
ND - denotes not detected (no CRL)  
0000 - missing data

VOC BLANK RESULTS

DATE	SITEID	SAMPID01	SAMPID2	CLC6H5	DBCP	DCPD	DMS	ETC6H5	MEC6H5	MIBK	TCLEE	TRCLE	XYLEN
				(ug)									
10/27/92	FBLK	11A	11B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.028	LT 0.160	LT 0.013	LT 0.013	LT 0.149
10/27/92	TRIP	12A	12B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
11/02/92	FBLK	25A	25B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.072	LT 0.160	LT 0.013	LT 0.013	LT 0.149
11/02/92	TRIP	26A	26B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
11/08/92	FBLK	37A	37B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
11/08/92	TRIP	38A	38B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
11/14/92	FBLK	51A	51B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
11/14/92	TRIP	52A	52B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
11/20/92	FBLK	63A	63B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.021	LT 0.160	LT 0.013	LT 0.013	LT 0.149
11/20/92	TRIP	64A	64B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
11/26/92	FBLK	75A	75B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.015	LT 0.160	LT 0.013	LT 0.013	LT 0.149
11/26/92	TRIP	76A	76B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
12/02/92	FBLK	87A	87B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.032	LT 0.160	LT 0.013	LT 0.013	LT 0.149
12/02/92	TRIP	88A	88B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
12/08/92	FBLK	99A	99B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.077	LT 0.160	LT 0.013	LT 0.013	LT 0.149
12/08/92	TRIP	100A	100B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.119	LT 0.160	LT 0.013	LT 0.013	LT 0.149
12/11/92	FBLK	111A	111B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
12/11/92	TRIP	110A	110B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.062	LT 0.160	LT 0.013	LT 0.013	LT 0.149
12/14/92	FBLK	122A	122B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.144	LT 0.160	LT 0.013	LT 0.013	LT 0.149
12/14/92	TRIP	123A	123B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.090	LT 0.160	LT 0.013	LT 0.013	LT 0.149
12/20/92	FBLK	136A	136B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
12/20/92	TRIP	137A	137B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
12/26/92	FBLK	148A	148B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
12/26/92	TRIP	149A	149B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.017	LT 0.160	LT 0.013	LT 0.013	LT 0.149
01/01/93	FBLK	160A	160B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
01/01/93	TRIP	161A	161B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
01/07/93	FBLK	172A	172B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
01/07/93	TRIP	173A	173B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
01/13/93	FBLK	189A	189B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
01/13/93	TRIP	190A	190B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.015	LT 0.160	LT 0.013	LT 0.013	LT 0.149
01/19/93	FBLK	202A	202B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.018	LT 0.160	LT 0.013	LT 0.013	LT 0.149
01/19/93	TRIP	201A	201B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
01/25/93	FBLK	213A	213B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
01/25/93	TRIP	214A	214B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
01/31/93	FBLK	226A	226B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
01/31/93	TRIP	227A	227B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
02/06/93	FBLK	246A	246B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150

NOTE: LT - denotes value below Lower Certified Reporting Limit  
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 GE - denotes lab estimate of value above upper CRL  
 ND - denotes not detected (no CRL)  
 0000 - missing data

CLC6H5 - Chlorobenzene  
 DBCP - Dibromochloropropane  
 DCPD - Dicyclopentadiene  
 DMS - Dimethyldisulfide  
 ETC6H5 - Ethylbenzene  
 MEC6H5 - Toluene  
 MIBK - Methyl isobutyl ketone  
 TCLEE - Tetrachloroethene  
 TRCLE - Trichloroethene  
 XYLEN - Total Xylenes





VOC BLANK RESULTS

(ug)

DATE	SITEID	SAMPID1	SAMPID2	CLC6H5	DBCP	DCPD	DMDS	ETC6H5	MEC6H5	MIBK	TCLEE	TRCLE	XYLEN
02/06/93	TRIP	245A	245B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
02/12/93	FBLK	257A	257B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
02/12/93	TRIP	258A	258B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
02/18/93	FBLK	271A	271B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
02/18/93	TRIP	272A	272B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
02/24/93	FBLK	283A	283B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
02/24/93	TRIP	284A	284B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
03/02/93	FBLK	298A	298B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
03/02/93	TRIP	299A	299B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
03/04/93	FBLK	309A	309B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
03/04/93	TRIP	310A	310B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
03/08/93	FBLK	321A	321B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
03/08/93	TRIP	322A	322B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
03/14/93	FBLK	334A	334B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
03/14/93	TRIP	333A	333B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
03/20/93	FBLK	345A	345B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
03/20/93	TRIP	346A	346B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
03/26/93	FBLK	364A	364B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
03/26/93	TRIP	365A	365B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
04/01/93	FBLK	380A	380B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
04/01/93	TRIP	381A	381B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
04/07/93	FBLK	394A	394B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
04/07/93	TRIP	395A	395B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
04/13/93	FBLK	406A	406B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
04/13/93	TRIP	407A	407B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
04/16/93	FBLK	412A	412B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
04/16/93	TRIP	413A	413B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
04/19/93	FBLK	424A	424B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
04/19/93	TRIP	425A	425B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
04/22/93	FBLK	430A	430B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
04/22/93	TRIP	431A	431B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
04/25/93	FBLK	442A	442B	LT 0.000	ND 0.000	LT 0.000	LT 0.000	LT 0.000	LT 0.000	LT 0.000	LT 0.000	LT 0.000	LT 0.000
04/25/93	TRIP	443A	443B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
04/28/93	FBLK	448A	448B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
04/28/93	TRIP	449A	449B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
05/01/93	FBLK	460A	460B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149
05/01/93	TRIP	461A	461B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.149

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CLC6H5 - Chlorobenzene  
 DBCP - Dibromochloropropane  
 DCPD - Dicyclopentadiene  
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 ETC6H5 - Ethylbenzene  
 MEC6H5 - Toluene  
 MIBK - Methyl isobutyl ketone  
 TCLEE - Tetrachloroethene  
 TRCLE - Trichloroethene  
 XYLEN - Total Xylenes

(b)(7)(C)

DATE	SITEID	SAMPID1	SAMPID2	11TCE	112TCE	110CLE	120CLE	120CE	BCHPD	C6H6	CCL4	CH2CL2	CHCL3
05/04/93	FBLK	466A	466B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
05/04/93	TRIP	467A	467B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
05/07/93	FBLK	480A	480B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
05/07/93	TRIP	481A	481B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
05/10/93	FBLK	486A	486B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
05/10/93	TRIP	487A	487B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
05/13/93	TRIP	495A	495B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
05/16/93	FBLK	SQIV9A	SQIV9B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
05/16/93	TRIP	SQIV10A	SQIV10B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
05/19/93	FBLK	507A	507B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
05/19/93	TRIP	508A	508B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	GE	LT 0.012
05/22/93	FBLK	SQI19A	SQI19B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018		LT 0.012
05/22/93	TRIP	SQI20A	SQI20B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018		LT 0.012
05/25/93	FBLK	515A	515B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018		LT 0.012
05/25/93	TRIP	516A	516B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
05/28/93	FBLK	SQI29A	SQI29B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
05/28/93	TRIP	SQI30A	SQI30B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018		LT 0.012
05/31/93	FBLK	523A	523B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
05/31/93	TRIP	524A	524B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
06/03/93	FBLK	528A	528B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
06/03/93	FBLK	SQI39A	SQI39B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
06/03/93	TRIP	529A	529B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
06/06/93	FBLK	536A	536B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018		LT 0.012
06/06/93	TRIP	537A	537B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018		LT 0.012
06/09/93	FBLK	SQI49A	SQI49B	0.113	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
06/09/93	TRIP	SQI50A	SQI50B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
06/09/93	FBLK	SQI55A	SQI55B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
06/10/93	TRIP	SQI56A	SQI56B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
06/12/93	FBLK	545A	545B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
06/12/93	TRIP	546A	546B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
06/13/93	FBLK	SQI65A	SQI65B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
06/13/93	TRIP	SQI66A	SQI66B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
06/15/93	FBLK	SQI71A	SQI71B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
06/15/93	TRIP	SQI72A	SQI72B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
06/18/93	FBLK	555A	555B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
06/18/93	TRIP	556A	556B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
06/21/93	FBLK	SQI81A	SQI81B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018		LT 0.012

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# VOC BLANK RESULTS

DATE	SITEID	SAMPID1	SAMPID2	CLC6H5	DBCP	DCPD	DMS	ETC6H5	MEC6H5	MTBK	TCLE	TRCLE	XYLEN
05/04/93	FBLK	466A	466B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
05/04/93	TRIP	467A	467B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
05/07/93	FBLK	480A	480B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
05/07/93	TRIP	481A	481B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
05/10/93	FBLK	486A	486B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
05/10/93	TRIP	487A	487B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
05/13/93	TRIP	495A	495B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
05/16/93	FBLK	SQIV9A	SQIV9B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
05/16/93	TRIP	SQIV10A	SQIV10B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
05/19/93	FBLK	507A	507B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.240	LT 0.160	LT 0.013	LT 0.013	LT 0.150
05/19/93	TRIP	508A	508B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.210	LT 0.160	LT 0.013	LT 0.013	LT 0.150
05/22/93	FBLK	SQI19A	SQI19B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.280	LT 0.160	LT 0.013	LT 0.013	LT 0.150
05/22/93	TRIP	SQI20A	SQI20B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.092	LT 0.160	LT 0.013	LT 0.013	LT 0.150
05/25/93	FBLK	515A	515B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
05/25/93	TRIP	516A	516B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
05/28/93	FBLK	SQI29A	SQI29B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	0.026	LT 0.160	LT 0.013	LT 0.013	LT 0.150
05/28/93	TRIP	SQI30A	SQI30B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
05/31/93	FBLK	523A	523B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
05/31/93	TRIP	524A	524B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
06/03/93	FBLK	528A	528B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
06/03/93	TRIP	SQI39A	SQI39B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
06/03/93	TRIP	529A	529B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
06/06/93	FBLK	536A	536B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
06/06/93	TRIP	537A	537B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
06/09/93	FBLK	SQI49A	SQI49B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
06/09/93	TRIP	SQI50A	SQI50B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
06/10/93	FBLK	SQI55A	SQI55B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
06/10/93	TRIP	SQI56A	SQI56B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
06/12/93	FBLK	545A	545B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
06/12/93	TRIP	546A	546B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
06/13/93	FBLK	SQI65A	SQI65B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
06/13/93	TRIP	SQI66A	SQI66B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
06/15/93	FBLK	SQI71A	SQI71B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
06/15/93	TRIP	SQI72A	SQI72B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
06/18/93	FBLK	555A	555B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
06/18/93	TRIP	556A	556B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
06/21/93	FBLK	SQI81A	SQI81B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150

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 GT - denotes value above upper Certified Reporting Limit  
 GE - denotes lab estimate of value above upper CRL  
 ND - denotes not detected (no CRL)  
 0000 - missing data

CLC6H5 - Chlorobenzene  
 DBCP - Dibromochloropropane  
 DCPD - Dicyclopentadiene  
 DMS - Dimethyldisulfide  
 ETC6H5 - Ethylbenzene  
 MEC6H5 - Toluene  
 MTBK - Methyl isobutyl ketone  
 TCLE - Tetrachloroethene  
 TRCLE - Trichloroethene  
 XYLEN - Total Xylenes

# VOC BLANK RESULTS

(ug)

DATE	SITEID	SAMPID1	SAMPID2	111TCE	112TCE	11DCLC	12DCLC	12DCE	BCHPD	C6H6	CCL4	CH2CL2	CHCL3
06/21/93	TRIP	SQ182A	SQ182B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	0.210	LT 0.012
06/24/93	FBLK	563A	563B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	0.160	LT 0.012
06/24/93	TRIP	564A	564B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
06/30/93	FBLK	579A	579B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
06/30/93	TRIP	580A	580B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	0.130	LT 0.012
07/06/93	FBLK	598A	598B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	0.280	LT 0.012
07/06/93	TRIP	599A	599B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	0.100	LT 0.012
07/09/93	FBLK	SQ191A	SQ191B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
07/09/93	TRIP	SQ192A	SQ192B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
07/12/93	FBLK	606A	606B	0.024	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	0.200	LT 0.012
07/12/93	TRIP	607A	607B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
07/15/93	FBLK	SQ1101A	SQ1101B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	0.130	LT 0.012
07/15/93	FBLK	617A	617B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
07/15/93	TRIP	SQ1102A	SQ1102B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
07/18/93	FBLK	624A	624B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
07/18/93	TRIP	625A	625B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
07/21/93	FBLK	SQ1111A	SQ1111B	0.640	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	0.230	LT 0.012
07/21/93	TRIP	SQ1112A	SQ1112B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
07/24/93	FBLK	639A	639B	0.040	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	0.430	LT 0.012
07/24/93	TRIP	640A	640B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	0.170	LT 0.012
07/30/93	FBLK	651A	651B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	0.100	LT 0.012
07/30/93	TRIP	652A	652B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
08/05/93	FBLK	667A	667B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	0.130	LT 0.012
08/05/93	TRIP	668A	668B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
08/11/93	FBLK	686A	686B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	0.310	LT 0.012
08/11/93	TRIP	687A	687B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
08/13/93	TRIP	694A	694B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
08/17/93	FBLK	707A	707B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	0.250	LT 0.012
08/17/93	TRIP	708A	708B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
08/23/93	FBLK	719A	719B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	1.180	LT 0.012
08/23/93	TRIP	720A	720B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
08/29/93	FBLK	733A	733B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	0.100	LT 0.012
08/29/93	TRIP	734A	734B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
09/03/93	TRIP	736A	736B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
09/10/93	FBLK	771A	771B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	0.100	LT 0.012
09/10/93	TRIP	772A	772B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	GE	LT 0.012
09/12/93	FBLK	780A	780B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
												0.130	LT 0.012

NOTE: LT - denotes value below lower Certified Reporting Limit  
 GT - denotes value above upper Certified Reporting Limit  
 GE - denotes lab estimate of value above upper CRL  
 ND - denotes not detected (no CRL)  
 0000 - missing data

111TCE - 1,1,1-Trichloroethane  
 112TCE - 1,1,2-Trichloroethane  
 11DCLC - 1,1-Dichloroethane  
 12DCLC - 1,2-Dichloroethane  
 12DCE - trans-1,2-Dichloroethane  
 BCHPD - Bicycloheptadiene  
 C6H6 - Benzene  
 CCL4 - Carbon Tetrachloride  
 CH2CL2 - Methylene Chloride  
 CHCL3 - Chloroform

# VOC BLANK RESULTS

(ug)

DATE	SITEID	SAMPID1	SAMPID2	CLC6H5	DBCP	DCPD	DMDS	ETC6H5	MEC6H5	MIBK	TCLEE	TRCLE	XYLEN
06/21/93	TRIP	SQ182A	SQ182B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
06/24/93	FBLK	563A	563B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
06/24/93	TRIP	564A	564B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
06/30/93	FBLK	579A	579B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
06/30/93	TRIP	580A	580B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
07/06/93	FBLK	598A	598B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
07/06/93	TRIP	599A	599B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
07/09/93	FBLK	SQ191A	SQ191B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
07/09/93	TRIP	SQ192A	SQ192B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
07/12/93	FBLK	606A	606B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
07/12/93	TRIP	607A	607B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
07/15/93	FBLK	SQ1101A	SQ1101B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
07/15/93	FBLK	617A	617B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
07/15/93	TRIP	SQ1102A	SQ1102B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
07/18/93	FBLK	624A	624B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
07/18/93	TRIP	625A	625B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
07/21/93	FBLK	SQ1111A	SQ1111B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
07/21/93	TRIP	SQ1112A	SQ1112B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
07/24/93	FBLK	639A	639B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
07/24/93	TRIP	640A	640B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
07/30/93	FBLK	651A	651B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
07/30/93	TRIP	652A	652B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
08/05/93	FBLK	667A	667B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
08/05/93	TRIP	668A	668B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
08/11/93	FBLK	686A	686B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
08/11/93	TRIP	687A	687B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
08/13/93	TRIP	694A	694B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
08/17/93	FBLK	707A	707B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
08/17/93	TRIP	708A	708B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
08/23/93	FBLK	719A	719B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
08/23/93	TRIP	720A	720B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
08/29/93	FBLK	733A	733B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
08/29/93	TRIP	734A	734B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
09/03/93	TRIP	736A	736B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
09/10/93	FBLK	771A	771B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
09/10/93	TRIP	772A	772B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
09/12/93	FBLK	780A	780B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150

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 ETC6H5 - Ethylbenzene  
 MEC6H5 - Toluene  
 MIBK - Methyl isobutyl ketone  
 TCLEE - Tetrachloroethene  
 TRCLE - Trichloroethene  
 XYLEN - Total Xylenes

# VOC BLANK RESULTS

(ug)

DATE	SITEID	SAMPID1	SAMPID2	111TCE	112TCE	11DCE	12DCE	12DCE	BCHPD	C6H6	CCL4	CH2CL2	CHCL3
09/12/93	TRIP	781A	781B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	0.120	LT 0.012
09/16/93	FBK	792A	792B	0.032	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	0.150	LT 0.012
09/16/93	TRIP	793A	793B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012
09/16/93	TRIP	796A	796B	LT 0.023	LT 0.036	LT 0.012	LT 0.012	LT 0.012	LT 0.012	LT 0.016	LT 0.018	ND	LT 0.012

111TCE - 1,1,1-Trichloroethane  
 112TCE - 1,1,2-Trichloroethane  
 11DCE - 1,1-Dichloroethane  
 12DCE - 1,2-Dichloroethane  
 12DCE - trans-1,2-Dichloroethane

BCHPD - Bicycloheptadiene  
 C6H6 - Benzene  
 CCL4 - Carbon Tetrachloride  
 CH2CL2 - Methylene Chloride  
 CHCL3 - Chloroform

NOTE: LT - denotes value below Lower Certified Reporting Limit  
 GT - denotes value above upper Certified Reporting Limit  
 GE - denotes lab estimate of value above upper CRL  
 ND - denotes not detected (no CRL)  
 0000 - missing data

# VOC BLANK RESULTS

DATE	SITEID	SAMPID1	SAMPID2	CLC6H5	DBCP	DCPD	DMDS	ETC6H5	MEC6H5	MIBK	TCLEE	TRCLE	XYLEN
09/12/93	TRIP	781A	781B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
09/16/93	FBLK	792A	792B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
09/16/93	TRIP	793A	793B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150
09/16/93	TRIP	796A	796B	LT 0.013	ND 0.100	LT 0.089	LT 0.047	LT 0.032	LT 0.014	LT 0.160	LT 0.013	LT 0.013	LT 0.150

CLC6H5 - Chlorobenzene  
 DBCP - Dibromochloropropane  
 DCPD - Dicyclopentadiene  
 DMDS - Dimethyldisulfide  
 ETC6H5 - Ethylbenzene  
 MEC6H5 - Toluene  
 MIBK - Methyl isobutyl ketone  
 TCLEE - Tetrachloroethene  
 TRCLE - Trichloroethene  
 XYLEN - Total Xylenes

NOTE: LT - denotes value below lower Certified Reporting Limit  
 GT - denotes value above upper Certified Reporting Limit  
 GE - denotes lab estimate of value above upper CRL  
 ND - denotes not detected (no CRL)  
 0000 - missing data

CAQMMP FY93

Organochlorine Pesticides Field and Trip Blank Results



# OCF BLANK RESULTS

(ug)

DATE	SITEID	SAMPID	ALDRIN	CHLORDANE	DIELDRIN	ENDRIN	ISODRIN	P,p'-DDE	P,p'-DDT
10/27/92	FBLK	26-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
11/02/92	FBLK	39-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
11/08/92	FBLK	52-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
11/14/92	FBLK	67-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
11/20/92	FBLK	80-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
11/26/92	FBLK	93-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
12/02/92	FBLK	106-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
12/08/92	FBLK	119-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
12/11/92	FBLK	127-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
12/14/92	FBLK	140-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
12/20/92	FBLK	155-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
12/22/92	FBLK	158-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
12/26/92	FBLK	171-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
01/01/93	FBLK	184-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
01/07/93	FBLK	197-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
01/13/93	FBLK	213-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
01/19/93	FBLK	235-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
01/22/93	FBLK	244-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
01/25/93	FBLK	257-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
01/31/93	FBLK	270-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
02/06/93	FBLK	283-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
02/12/93	FBLK	296-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
02/18/93	FBLK	312-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
02/24/93	FBLK	325-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
03/02/93	FBLK	343-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
03/08/93	FBLK	366-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
03/14/93	FBLK	379-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
03/20/93	FBLK	392-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
03/26/93	FBLK	405-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
04/01/93	FBLK	418-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
04/07/93	FBLK	433-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
04/13/93	FBLK	454-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
04/16/93	FBLK	459-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
04/19/93	FBLK	472-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
04/22/93	FBLK	477-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
04/25/93	FBLK	490-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
04/28/93	FBLK	495-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
05/01/93	FBLK	512-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
05/04/93	FBLK	518-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
05/07/93	FBLK	533-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000

NOTE: LT - denotes value below lower Certified Reporting Limit  
GT - denotes value above upper Certified Reporting Limit

# OCF BLANK RESULTS

DATE	SITEID	SAMPID	ALDRIN	CHLORDANE	DIELDRIN	ENDRIN	ISODRIN	P,p'-DDE	P,p'-DDT
05/10/93	FBLK	538-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
05/13/93	FBLK	550-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
05/16/93	FBLK	SQ19P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
05/19/93	FBLK	560-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
05/22/93	FBLK	SQ118P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
05/25/93	FBLK	569P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
05/28/93	FBLK	SQ127P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
05/31/93	FBLK	578-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
06/03/93	FBLK	SQ136P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
06/06/93	FBLK	592-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
06/09/93	FBLK	SQ145P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
06/10/93	FBLK	SQ150P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
06/12/93	FBLK	603-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
06/13/93	FBLK	SQ159P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
06/15/93	FBLK	SQ164P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
06/18/93	FBLK	614-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
06/21/93	FBLK	SQ173P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
06/24/93	FBLK	623-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
06/30/93	FBLK	638-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
07/06/93	FBLK	655-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
07/09/93	FBLK	SQ182P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
07/12/93	FBLK	664-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
07/15/93	FBLK	SQ191P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
07/18/93	FBLK	682-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
07/21/93	FBLK	SQ1100P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
07/24/93	FBLK	697-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
07/30/93	FBLK	710-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
08/03/93	FBLK	721-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
08/03/93	TRIP	723-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
08/05/93	FBLK	739-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
08/11/93	FBLK	752-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
08/17/93	FBLK	771-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
08/23/93	FBLK	784-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
08/29/93	FBLK	798-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
09/04/93	FBLK	820-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
09/10/93	FBLK	833-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
09/16/93	FBLK	854-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
09/22/93	FBLK	872-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000
09/28/93	FBLK	885-P	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000	LT 0.1000

NOTE: LT - denotes value below lower Certified Reporting Limit  
GT - denotes value above upper Certified Reporting Limit

CAQMMP FY93

Semivolatile Organic Compound Field and Trip Blank Results

SVOC BLANK RESULTS

(ug)

DATE	SITEID	SAMPID	ALDRIN	ATRAZINE	CHLORDANE	CPHS	CPMSO	CPMSO2	DBCP	DCPD	VAPONA	DIMP
11/26/92	FBK	93-P	LT 10.0000	LT 6.2100	LT 10.0000	LT 10.0000	LT 12.1000	LT 10.0000	LT 10.0000	MD 31.2000	LT 5.1600	LT 10.0000
12/20/92	FBK	155-P	LT 10.0000	LT 6.2100	LT 10.0000	LT 10.0000	LT 12.1000	LT 10.0000	LT 10.0000	MD 31.2000	LT 5.1600	LT 10.0000
12/22/92	FBK	158-P	LT 10.0000	LT 6.2100	LT 10.0000	LT 10.0000	LT 12.1000	LT 10.0000	LT 10.0000	MD 31.2000	LT 5.1600	LT 10.0000
01/13/93	FBK	213-P	LT 10.0000	LT 6.2100	LT 10.0000	LT 10.0000	LT 12.1000	LT 10.0000	LT 10.0000	MD 31.2000	LT 5.1600	LT 10.0000
01/14/93	FBK	222-P	LT 10.0000	LT 6.2100	LT 10.0000	LT 10.0000	LT 12.1000	LT 10.0000	LT 10.0000	MD 31.2000	LT 5.1600	LT 10.0000
02/18/93	FBK	312-P	LT 10.0000	LT 6.2100	LT 10.0000	LT 10.0000	LT 12.1000	LT 10.0000	LT 10.0000	MD 31.2000	LT 5.1600	LT 10.0000
02/26/93	FBK	V32-A	LT 10.0000	LT 6.2100	LT 10.0000	LT 10.0000	LT 12.1000	LT 10.0000	LT 10.0000	MD 31.2000	LT 5.1600	LT 10.0000
03/02/93	FBK	343-P	LT 10.0000	LT 6.2100	LT 10.0000	LT 10.0000	LT 12.1000	LT 10.0000	LT 10.0000	MD 31.2000	LT 5.1600	LT 10.0000
03/04/93	FBK	351-P	LT 10.0000	LT 6.2100	LT 10.0000	LT 10.0000	LT 12.1000	LT 10.0000	LT 10.0000	MD 31.2000	LT 5.1600	LT 10.0000
04/10/93	FBK	441-P	LT 10.0000	LT 6.2000	LT 10.0000	LT 10.0000	LT 12.0000	LT 10.0000	LT 10.0000	MD 31.0000	LT 5.2000	LT 10.0000
04/13/93	FBK	454-P	LT 10.0000	LT 6.2100	LT 10.0000	LT 10.0000	LT 12.1000	LT 10.0000	LT 10.0000	MD 31.2000	LT 5.1600	LT 10.0000
04/29/93	FBK	499-P	LT 10.0000	LT 6.2000	LT 10.0000	LT 10.0000	LT 12.0000	LT 10.0000	LT 10.0000	MD 31.0000	LT 5.2000	LT 10.0000
04/29/93	TRIP	513-P	LT 10.0000	LT 6.2000	LT 10.0000	LT 10.0000	LT 12.0000	LT 10.0000	LT 10.0000	MD 31.0000	LT 5.2000	LT 10.0000
05/13/93	FBK	550-P	LT 10.0000	LT 6.2000	LT 10.0000	LT 10.0000	LT 12.0000	LT 10.0000	LT 10.0000	MD 31.0000	LT 5.2000	LT 10.0000
06/03/93	FBK	SQ136P	LT 10.0000	LT 6.2000	LT 10.0000	LT 10.0000	LT 12.0000	LT 10.0000	LT 10.0000	MD 31.0000	LT 5.2000	LT 10.0000
06/12/93	FBK	603-P	LT 10.0000	LT 6.2000	LT 10.0000	LT 10.0000	LT 12.0000	LT 10.0000	LT 10.0000	MD 31.0000	LT 5.2000	LT 10.0000
07/15/93	FBK	SQ191P	LT 10.0000	LT 6.2000	LT 10.0000	LT 10.0000	LT 12.0000	LT 10.0000	LT 10.0000	MD 31.0000	LT 5.2000	LT 10.0000
07/30/93	FBK	710-P	LT 10.0000	LT 6.2000	LT 10.0000	LT 10.0000	LT 12.0000	LT 10.0000	LT 10.0000	MD 31.0000	LT 5.2000	LT 10.0000
08/03/93	FBK	721-P	LT 10.0000	LT 6.2000	LT 10.0000	LT 10.0000	LT 12.0000	LT 10.0000	LT 10.0000	MD 31.0000	LT 5.2000	LT 10.0000
08/03/93	TRIP	723-P	LT 10.0000	LT 6.2000	LT 10.0000	LT 10.0000	LT 12.0000	LT 10.0000	LT 10.0000	MD 31.0000	LT 5.2000	LT 10.0000
08/11/93	FBK	752-P	LT 10.0000	LT 6.2000	LT 10.0000	LT 10.0000	LT 12.0000	LT 10.0000	LT 10.0000	MD 31.0000	LT 5.2000	LT 10.0000
08/23/93	FBK	784-P	LT 10.0000	LT 6.2000	LT 10.0000	LT 10.0000	LT 12.0000	LT 10.0000	LT 10.0000	MD 31.0000	LT 5.2000	LT 10.0000
08/29/93	FBK	798-P	LT 10.0000	LT 6.2000	LT 10.0000	LT 10.0000	LT 12.0000	LT 10.0000	LT 10.0000	MD 31.0000	LT 5.2000	LT 10.0000
09/12/93	FBK	841-P	LT 10.0000	LT 6.2000	LT 10.0000	LT 10.0000	LT 12.0000	LT 10.0000	LT 10.0000	MD 31.0000	LT 5.2000	LT 10.0000
09/16/93	TRIP	857-P	LT 20.0000	LT 12.0000	LT 20.0000	LT 20.0000	LT 24.0000	LT 20.0000	LT 20.0000	MD 62.0000	LT 10.0000	LT 20.0000
09/22/93	FBK	872-P	LT 10.0000	LT 6.2000	LT 10.0000	LT 10.0000	LT 12.0000	LT 10.0000	LT 10.0000	MD 31.0000	LT 5.2000	LT 10.0000
09/28/93	FBK	885-P	LT 10.0000	LT 6.2000	LT 10.0000	LT 10.0000	LT 12.0000	LT 10.0000	LT 10.0000	MD 31.0000	LT 5.2000	LT 10.0000

NOTE: LT - denotes value below Lower Certified Reporting Limit  
 GT - denotes value above upper Certified Reporting Limit

SVOC BLANK RESULTS

DATE	SITEID	SAMPLEID	DIELDRIN	DMMP	ENDRIN (ug)	HCBD	ISODRIN	MALATHION	PARATHION	SUPONA
11/26/92	FBLK	93-P	LT 6.2000	LT 10.3000	LT 11.4000	ND 12.6000	LT 10.0000	LT 15.0000	LT 10.9000	LT 7.0300
12/20/92	FBLK	155-P	LT 6.2000	LT 10.3000	LT 11.4000	ND 12.6000	LT 10.0000	LT 15.0000	LT 10.9000	LT 7.0300
12/22/92	FBLK	158-P	LT 6.2000	LT 10.3000	LT 11.4000	ND 12.6000	LT 10.0000	LT 15.0000	LT 10.9000	LT 7.0300
01/13/93	FBLK	213-P	LT 6.2000	LT 10.3000	LT 11.4000	ND 12.6000	LT 10.0000	LT 15.0000	LT 10.9000	LT 7.0300
01/14/93	FBLK	222-P	LT 6.2000	LT 10.3000	LT 11.4000	ND 12.6000	LT 10.0000	LT 15.0000	LT 10.9000	LT 7.0300
02/18/93	FBLK	312-P	LT 6.2000	LT 10.3000	LT 11.4000	ND 12.6000	LT 10.0000	LT 15.0000	LT 10.9000	LT 7.0300
02/26/93	FBLK	V32-A	LT 6.2000	LT 10.3000	LT 11.0000	ND 13.0000	LT 10.0000	LT 15.0000	LT 11.0000	LT 7.0000
03/02/93	FBLK	343-P	LT 6.2000	LT 10.3000	LT 11.4000	ND 12.6000	LT 10.0000	LT 15.0000	LT 10.9000	LT 7.0300
03/04/93	FBLK	351-P	LT 6.2000	LT 10.3000	LT 11.4000	ND 12.6000	LT 10.0000	LT 15.0000	LT 10.9000	LT 7.0300
04/10/93	FBLK	441-P	LT 6.2000	LT 10.0000	LT 11.0000	ND 13.0000	LT 10.0000	LT 15.0000	LT 11.0000	LT 7.0000
04/13/93	FBLK	454-P	LT 6.2000	LT 10.3000	LT 11.4000	ND 12.6000	LT 10.0000	LT 15.0000	LT 10.9000	LT 7.0300
04/29/93	FBLK	499-P	LT 6.2000	LT 10.0000	LT 11.0000	ND 13.0000	LT 10.0000	LT 15.0000	LT 11.0000	LT 7.0000
04/29/93	TRIP	513-P	LT 6.2000	LT 10.0000	LT 11.0000	ND 13.0000	LT 10.0000	LT 15.0000	LT 11.0000	LT 7.0000
05/13/93	FBLK	550-P	LT 6.2000	LT 10.0000	LT 11.0000	ND 13.0000	LT 10.0000	LT 15.0000	LT 11.0000	LT 7.0000
06/03/93	FBLK	SQ136P	LT 6.2000	LT 10.0000	LT 11.0000	ND 13.0000	LT 10.0000	LT 15.0000	LT 11.0000	LT 7.0000
06/12/93	FBLK	603-P	LT 6.2000	LT 10.0000	LT 11.0000	ND 13.0000	LT 10.0000	LT 15.0000	LT 11.0000	LT 7.0000
07/15/93	FBLK	SQ191P	LT 6.2000	LT 10.0000	LT 11.0000	ND 13.0000	LT 10.0000	LT 15.0000	LT 11.0000	LT 7.0000
07/30/93	FBLK	710-P	LT 6.2000	LT 10.0000	LT 11.0000	ND 13.0000	LT 10.0000	LT 15.0000	LT 11.0000	LT 7.0000
08/03/93	FBLK	721-P	LT 6.2000	LT 10.0000	LT 11.0000	ND 13.0000	LT 10.0000	LT 15.0000	LT 11.0000	LT 7.0000
08/03/93	TRIP	723-P	LT 6.2000	LT 10.0000	LT 11.0000	ND 13.0000	LT 10.0000	LT 15.0000	LT 11.0000	LT 7.0000
08/11/93	FBLK	752-P	LT 6.2000	LT 10.0000	LT 11.0000	ND 13.0000	LT 10.0000	LT 15.0000	LT 11.0000	LT 7.0000
08/23/93	FBLK	784-P	LT 6.2000	LT 10.0000	LT 11.0000	ND 13.0000	LT 10.0000	LT 15.0000	LT 11.0000	LT 7.0000
08/29/93	FBLK	798-P	LT 6.2000	LT 10.0000	LT 11.0000	ND 13.0000	LT 10.0000	LT 15.0000	LT 11.0000	LT 7.0000
09/12/93	FBLK	841-P	LT 6.2000	LT 10.0000	LT 11.0000	ND 13.0000	LT 10.0000	LT 15.0000	LT 11.0000	LT 7.0000
09/16/93	TRIP	857-P	LT 12.0000	LT 21.0000	LT 23.0000	ND 26.0000	LT 20.0000	LT 30.0000	LT 22.0000	LT 14.0000
09/22/93	FBLK	872-P	LT 6.2000	LT 10.0000	LT 11.0000	ND 13.0000	LT 10.0000	LT 15.0000	LT 11.0000	LT 7.0000
09/28/93	FBLK	885-P	LT 6.2000	LT 10.0000	LT 11.0000	ND 13.0000	LT 10.0000	LT 15.0000	LT 11.0000	LT 7.0000

NOTE: LT - denotes value below lower Certified Reporting Limit  
GT - denotes value above upper Certified Reporting Limit

SVOC BLANK RESULTS

DATE	SITEID	SAMPID	P,P'-DDE	P,P'-DDT	1,4-DITHIANE	1,4-OXATHIANE
				(ug)		
11/26/92	FBLK	93-P	LT 6.1900	LT 5.0000	LT 15.0000	LT 40.0000
12/20/92	FBLK	155-P	LT 6.1900	LT 5.0000	LT 15.0000	LT 40.0000
12/22/92	FBLK	158-P	LT 6.1900	LT 5.0000	LT 15.0000	LT 40.0000
01/13/93	FBLK	213-P	LT 6.1900	LT 5.0000	LT 15.0000	LT 40.0000
01/14/93	FBLK	222-P	LT 6.1900	LT 5.0000	LT 15.0000	LT 40.0000
02/18/93	FBLK	312-P	LT 6.1900	LT 5.0000	LT 15.0000	LT 40.0000
02/26/93	FBLK	V32-A	LT 6.2000	LT 5.0000	LT 15.0000	LT 40.0000
03/02/93	FBLK	343-P	LT 6.1900	LT 5.0000	LT 15.0000	LT 40.0000
03/04/93	FBLK	351-P	LT 6.1900	LT 5.0000	LT 15.0000	LT 40.0000
04/10/93	FBLK	441-P	LT 6.2000	LT 5.0000	LT 15.0000	LT 40.0000
04/13/93	FBLK	454-P	LT 6.1900	LT 5.0000	LT 15.0000	LT 40.0000
04/29/93	FBLK	499-P	LT 6.2000	LT 5.0000	LT 15.0000	LT 40.0000
04/29/93	TRIP	513-P	LT 6.2000	LT 5.0000	LT 15.0000	LT 40.0000
05/13/93	FBLK	550-P	LT 6.2000	LT 5.0000	LT 15.0000	LT 40.0000
06/03/93	FBLK	SQ136P	LT 6.2000	LT 5.0000	LT 15.0000	LT 40.0000
06/12/93	FBLK	603-P	LT 6.2000	LT 5.0000	LT 15.0000	LT 40.0000
07/15/93	FBLK	SQ191P	LT 6.2000	LT 5.0000	LT 15.0000	LT 40.0000
07/30/93	FBLK	710-P	LT 6.2000	LT 5.0000	LT 15.0000	LT 40.0000
08/03/93	FBLK	721-P	LT 6.2000	LT 5.0000	LT 15.0000	LT 40.0000
08/03/93	TRIP	723-P	LT 6.2000	LT 5.0000	LT 15.0000	LT 40.0000
08/11/93	FBLK	752-P	LT 6.2000	LT 5.0000	LT 15.0000	LT 40.0000
08/23/93	FBLK	784-P	LT 6.2000	LT 5.0000	LT 15.0000	LT 40.0000
08/29/93	FBLK	798-P	LT 6.2000	LT 5.0000	LT 15.0000	LT 40.0000
09/12/93	FBLK	841-P	LT 6.2000	LT 5.0000	LT 15.0000	LT 40.0000
09/16/93	TRIP	857-P	LT 12.0000	LT 10.0000	LT 30.0000	LT 80.0000
09/22/93	FBLK	872-P	LT 6.2000	LT 5.0000	LT 15.0000	LT 40.0000
09/28/93	FBLK	885-P	LT 6.2000	LT 5.0000	LT 15.0000	LT 40.0000

NOTE: LT - denotes value below lower Certified Reporting Limit  
 GT - denotes value above upper Certified Reporting Limit

CAQMMP FY93

Metals Field and Trip Blank Results

## METAL BLANK RESULTS

DATE	SITEID	SAMPID	CADMIUM	CHROMIUM (ug)	COPPER	LEAD	ZINC
10/06/92	FBLK	F0024	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
10/15/92	FBLK	F0071	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
10/21/92	FBLK	F0085	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
10/27/92	FBLK	F0113	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
11/02/92	FBLK	F0144	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
11/08/92	FBLK	F0172	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
11/14/92	FBLK	F0205	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
11/20/92	FBLK	F0234	LT 4.0000	LT 20.0000	12.8000	LT 40.0000	LT 20.0000
11/26/92	FBLK	F0266	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
12/02/92	FBLK	F0294	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
12/08/92	FBLK	F0327	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
12/14/92	FBLK	F0355	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
12/20/92	FBLK	F0389	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
12/26/92	FBLK	F0417	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
01/01/93	FBLK	F0458	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
01/07/93	FBLK	F0482	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
01/13/93	FBLK	F0521	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
01/19/93	FBLK	F0552	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
01/22/93	FBLK	F0560	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
01/25/93	FBLK	F0592	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
01/31/93	FBLK	F0599	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
02/06/93	FBLK	F0673	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
02/12/93	FBLK	F0711	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
02/18/93	FBLK	F0750	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
02/24/93	FBLK	F0787	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
03/02/93	FBLK	F0829	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
03/04/93	FBLK	F0840	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
03/08/93	FBLK	F0871	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
03/14/93	FBLK	F0909	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
03/20/93	FBLK	F0938	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
03/26/93	FBLK	F0968	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
04/01/93	FBLK	F0996	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
04/07/93	FBLK	G0032	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
04/10/93	FBLK	G0041	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
04/13/93	FBLK	G0070	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
04/16/93	FBLK	G0079	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
04/16/93	TRIP	G0115	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
04/19/93	FBLK	G0113	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
04/22/93	FBLK	G0125	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
04/22/93	TRIP	G0127	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
04/25/93	FBLK	G0157	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000

NOTE: LT - denotes value below Certified Reporting Limit  
GT - denotes value above Certified Reporting Limit



## METAL BLANK RESULTS

(ug)

DATE	SITEID	SAMPID	CADMIUM	CHROMIUM	COPPER	LEAD	ZINC
04/28/93	FBLK	G0167	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
04/28/93	TRIP	G0169	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
05/01/93	FBLK	G0201	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
05/04/93	FBLK	G0210	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
05/04/93	TRIP	G0212	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
05/08/93	FBLK	G0247	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
05/10/93	FBLK	G0256	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
05/10/93	TRIP	G0258	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
05/13/93	FBLK	G0279	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
05/16/93	FBLK	H0017	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
05/16/93	TRIP	H0019	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
05/19/93	FBLK	G0305	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
05/22/93	FBLK	H0037	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
05/22/93	TRIP	H0040	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
05/25/93	FBLK	G0326	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
05/28/93	FBLK	H0058	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
05/28/93	TRIP	H0060	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
05/31/93	FBLK	G0350	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
06/03/93	FBLK	H0078	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
06/03/93	TRIP	H0080	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
06/06/93	FBLK	G0370	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
06/09/93	FBLK	H0098	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
06/09/93	FBLK	H0099	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
06/09/93	TRIP	H0100	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
06/09/93	TRIP	H0101	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
06/10/93	FBLK	H0110	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
06/10/93	TRIP	H0112	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
06/12/93	FBLK	G0392	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
06/13/93	FBLK	H0130	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
06/13/93	TRIP	H0132	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
06/15/93	FBLK	H0142	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
06/15/93	TRIP	H0144	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
06/18/93	FBLK	G0421	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
06/21/93	FBLK	H0162	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
06/21/93	TRIP	H0164	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
06/24/93	FBLK	G0441	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
06/30/93	FBLK	G0467	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
07/06/93	FBLK	G0506	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
07/09/93	FBLK	H0183	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
07/09/93	TRIP	H0185	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
07/12/93	FBLK	G0530	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000

NOTE: LT - denotes value below Certified Reporting Limit

GT - denotes value above Certified Reporting Limit

# METAL BLANK RESULTS

DATE	SITEID	SAMPID	CADMIUM	CHROMIUM	COPPER	LEAD	ZINC
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07/15/93	FBLK	H0207	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
07/15/93	FBLK	G0540	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
07/15/93	TRIP	H0210	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
07/18/93	FBLK	H0220	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
07/21/93	FBLK	H0229	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
07/21/93	TRIP	H0231	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
07/24/93	FBLK	G0593	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
07/30/93	FBLK	G0621	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
08/05/93	FBLK	G0654	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
08/11/93	FBLK	G0682	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
08/17/93	FBLK	G0720	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
08/23/93	FBLK	G0749	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
08/29/93	FBLK	G0782	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
09/04/93	FBLK	G0821	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
09/10/93	FBLK	G0853	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
09/12/93	FBLK	G0863	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
09/16/93	FBLK	G0890	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
09/22/93	FBLK	G0924	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
09/25/93	FBLK	G0932	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
09/28/93	FBLK	G0961	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000
09/30/93	FBLK	G0973	LT 4.0000	LT 20.0000	LT 10.0000	LT 40.0000	LT 20.0000

NOTE: LT - denotes value below Certified Reporting Limit  
 GT - denotes value above Certified Reporting Limit

CAQMMP FY93

Arsenic Field and Trip Blank Results

## ARSENIC BLANK RESULTS

(ug)

DATE	SITEID	SAMPID	ARSENIC
10/06/92	FBLK	F0024	LT 1.4100
10/15/92	FBLK	F0071	LT 1.4100
10/21/92	FBLK	F0085	LT 1.4100
10/27/92	FBLK	F0113	LT 1.4100
11/02/92	FBLK	F0144	LT 1.4100
11/08/92	FBLK	F0172	LT 1.4100
11/14/92	FBLK	F0205	LT 1.4100
11/20/92	FBLK	F0234	LT 1.4100
11/26/92	FBLK	F0266	LT 1.4100
12/02/92	FBLK	F0294	LT 1.4100
12/08/92	FBLK	F0327	LT 1.4100
12/14/92	FBLK	F0355	LT 1.4100
12/20/92	FBLK	F0389	LT 1.4100
12/26/92	FBLK	F0417	LT 1.4100
01/01/93	FBLK	F0458	LT 1.4100
01/07/93	FBLK	F0482	LT 1.4100
01/13/93	FBLK	F0521	LT 1.4100
01/19/93	FBLK	F0552	LT 1.4100
01/22/93	FBLK	F0560	LT 1.4100
01/25/93	FBLK	F0592	LT 1.4100
01/31/93	FBLK	F0599	LT 1.4100
02/06/93	FBLK	F0673	LT 1.4100
02/12/93	FBLK	F0711	LT 1.4100
02/18/93	FBLK	F0750	LT 1.4100
02/24/93	FBLK	F0787	LT 1.4100
03/02/93	FBLK	F0829	LT 1.4100
03/04/93	FBLK	F0840	LT 1.4100
03/08/93	FBLK	F0871	LT 1.4100
03/14/93	FBLK	F0909	LT 1.4100
03/20/93	FBLK	F0938	LT 1.4100
03/26/93	FBLK	F0968	LT 1.4100
04/01/93	FBLK	F0996	LT 1.4100
04/07/93	FBLK	G0032	LT 1.4100
04/10/93	FBLK	G0041	LT 1.4100
04/13/93	FBLK	G0070	LT 1.4100
04/16/93	FBLK	G0079	LT 1.4100
04/16/93	TRIP	G0115	LT 1.4100
04/19/93	FBLK	G0113	LT 1.4100
04/22/93	FBLK	G0125	LT 1.4100
04/22/93	TRIP	G0127	LT 1.4100
04/25/93	FBLK	G0157	LT 1.4100
04/28/93	FBLK	G0167	LT 1.4100
04/28/93	TRIP	G0169	LT 1.4100
05/01/93	FBLK	G0201	LT 1.4100
05/04/93	FBLK	G0210	LT 1.4100
05/04/93	TRIP	G0212	LT 1.4100
05/08/93	FBLK	G0247	LT 1.4100
05/10/93	FBLK	G0256	LT 1.4100
05/10/93	TRIP	G0258	LT 1.4100
05/13/93	FBLK	G0279	LT 1.4100
05/16/93	FBLK	H0017	LT 1.4100
05/16/93	TRIP	H0019	LT 1.4100
05/19/93	FBLK	G0305	LT 1.4100
05/22/93	FBLK	H0037	LT 1.4100

NOTE: LT - denotes value below lower Certified Reporting Limit  
 GT - denotes value above upper Certified Reporting Limit

## ARSENIC BLANK RESULTS

(ug)

DATE	SITEID	SAMPID	ARSENIC
05/22/93	TRIP	H0040	LT 1.4100
05/25/93	FBLK	G0326	LT 1.4100
05/28/93	FBLK	H0058	LT 1.4100
05/28/93	TRIP	H0060	LT 1.4100
05/31/93	FBLK	G0350	LT 1.4100
06/03/93	FBLK	H0078	LT 1.4100
06/03/93	TRIP	H0080	LT 1.4100
06/06/93	FBLK	G0370	LT 1.4100
06/09/93	FBLK	H0098	LT 1.4100
06/09/93	FBLK	H0099	LT 1.4100
06/09/93	TRIP	H0100	LT 1.4100
06/09/93	TRIP	H0101	LT 1.4100
06/10/93	FBLK	H0110	LT 1.4100
06/10/93	TRIP	H0112	LT 1.4100
06/12/93	FBLK	G0392	LT 1.4100
06/13/93	FBLK	H0130	LT 1.4100
06/13/93	TRIP	H0132	LT 1.4100
06/15/93	FBLK	H0142	LT 1.4100
06/15/93	TRIP	H0144	LT 1.4100
06/18/93	FBLK	G0421	LT 1.4100
06/21/93	FBLK	H0162	LT 1.4100
06/21/93	TRIP	H0164	LT 1.4100
06/24/93	FBLK	G0441	LT 1.4100
06/30/93	FBLK	G0467	LT 1.4100
07/06/93	FBLK	G0506	LT 1.4100
07/09/93	FBLK	H0183	LT 1.4100
07/09/93	TRIP	H0185	LT 1.4100
07/12/93	FBLK	G0530	LT 1.4100
07/15/93	FBLK	H0207	LT 1.4100
07/15/93	FBLK	G0540	LT 1.4100
07/15/93	TRIP	H0210	LT 1.4100
07/18/93	FBLK	H0220	LT 1.4100
07/21/93	FBLK	H0229	LT 1.4100
07/21/93	TRIP	H0231	LT 1.4100
07/24/93	FBLK	G0593	LT 1.4100
07/30/93	FBLK	G0621	LT 1.4100
08/05/93	FBLK	G0654	LT 1.4100
08/11/93	FBLK	G0682	LT 1.4100
08/17/93	FBLK	G0720	LT 1.4100
08/23/93	FBLK	G0749	LT 1.4100
08/29/93	FBLK	G0782	LT 1.4100
09/04/93	FBLK	G0821	LT 1.4100
09/25/93	FBLK	G0932	LT 1.4100
09/28/93	FBLK	G0961	LT 1.4100
09/30/93	FBLK	G0973	LT 1.4100

NOTE: LT - denotes value below lower Certified Reporting Limit  
 GT - denotes value above upper Certified Reporting Limit

CAQMMP FY93

Mercury Field and Trip Blank Results

## MERCURY BLANK RESULTS

(ug)

DATE	SITEID	SAMPID	MERCURY
10/06/92	FBLK	8-HG	LT 0.1000
10/09/92	FBLK	19-HG	LT 0.1000
10/15/92	FBLK	30-HG	LT 0.1000
10/21/92	FBLK	42-HG	LT 0.1000
10/27/92	FBLK	51-HG	LT 0.1000
11/02/92	FBLK	63-HG	LT 0.1000
11/08/92	FBLK	72-HG	LT 0.1000
11/14/92	FBLK	86-HG	LT 0.1000
11/20/92	FBLK	95-HG	LT 0.1000
11/26/92	FBLK	105-HG	LT 0.1000
12/02/92	FBLK	116-HG	LT 0.1000
12/08/92	FBLK	128-HG	LT 0.1000
12/14/92	FBLK	137-HG	LT 0.1000
12/20/92	FBLK	151-HG	LT 0.1000
12/26/92	FBLK	160-HG	LT 0.1000
01/01/93	FBLK	169-HG	LT 0.1000
01/07/93	FBLK	181-HG	LT 0.1000
01/13/93	FBLK	195-HG	LT 0.1000
01/19/93	FBLK	204-HG	LT 0.1000
01/22/93	FBLK	212-HG	LT 0.1000
01/25/93	FBLK	224-HG	LT 0.1000
01/31/93	FBLK	233-HG	LT 0.1000
02/06/93	FBLK	245-HG	LT 0.1000
02/12/93	FBLK	254-HG	LT 0.1000
02/18/93	FBLK	269-HG	LT 0.1000
02/24/93	FBLK	278-HG	LT 0.1000
03/02/93	FBLK	292-HG	LT 0.1000
03/04/93	FBLK	302-HG	LT 0.1000
03/08/93	FBLK	311-HG	LT 0.1000
03/14/93	FBLK	323-HG	LT 0.1000
03/20/93	FBLK	332-HG	LT 0.1000
03/26/93	FBLK	344-HG	LT 0.1000
04/01/93	FBLK	353-HG	LT 0.1000
04/07/93	FBLK	367-HG	LT 0.1000
04/10/93	FBLK	375-HG	0.1530
04/13/93	FBLK	384-HG	LT 0.1000
04/16/93	FBLK	389-HG	LT 0.1000
04/19/93	FBLK	401-HG	LT 0.1000
04/22/93	FBLK	406-HG	LT 0.1000
04/25/93	FBLK	415-HG	LT 0.1000
04/28/93	FBLK	420-HG	LT 0.1000
05/01/93	FBLK	431-HG	LT 0.1000
05/04/93	FBLK	437-HG	LT 0.1000
05/07/93	FBLK	451-HG	LT 0.1000
05/10/93	FBLK	456-HG	LT 0.1000
05/13/93	FBLK	461-HG	LT 0.1000
05/16/93	FBLK	SQ19HG	LT 0.1000
05/19/93	FBLK	470-HG	LT 0.1000
05/22/93	FBLK	SQ118HG	LT 0.1000
05/25/93	FBLK	475HG	LT 0.1000
05/28/93	FBLK	SQ127HG	LT 0.1000
05/31/93	FBLK	483-HG	LT 0.1000
06/03/93	FBLK	SQ136HG	LT 0.1000
06/06/93	FBLK	488-HG	LT 0.1000

NOTE: LT - denotes value below lower Certified Reporting Limit  
 GT - denotes value above upper Certified Reporting Limit

## MERCURY BLANK RESULTS

(ug)

DATE	SITEID	SAMPID	MERCURY
06/09/93	FBLK	SQ145HG	LT 0.1000
06/10/93	FBLK	SQ150HG	0.2180
06/12/93	FBLK	497-HG	LT 0.1000
06/13/93	FBLK	SQ159HG	LT 0.1000
06/15/93	FBLK	SQ164HG	LT 0.1000
06/18/93	FBLK	507-HG	LT 0.1000
06/21/93	FBLK	SQ173HG	LT 0.1000
06/24/93	FBLK	512-HG	LT 0.1000
06/30/93	FBLK	527-HG	LT 0.1000
07/06/93	FBLK	540-HG	LT 0.1000
07/09/93	FBLK	SQ182HG	0.1760
07/12/93	FBLK	548-HG	LT 0.1000
07/15/93	FBLK	SQ191HG	LT 0.1000
07/15/93	FBLK	558-HG	LT 0.1000
07/18/93	FBLK	563-HG	LT 0.1000
07/21/93	FBLK	SQ1100HG	LT 0.1000
07/24/93	FBLK	577-HG	LT 0.1000
07/30/93	FBLK	586-HG	LT 0.1000
08/05/93	FBLK	598-HG	LT 0.1000
08/11/93	FBLK	607-HG	LT 0.1000
08/17/93	FBLK	623-HG	LT 0.1000
08/23/93	FBLK	632-HG	LT 0.1000
08/29/93	FBLK	645-HG	LT 0.1000
09/04/93	FBLK	662-HG	LT 0.1000
09/10/93	FBLK	674-HG	LT 0.1000
09/12/93	FBLK	682-HG	LT 0.1000
09/16/93	FBLK	691-HG	LT 0.1000
09/22/93	FBLK	705-HG	LT 0.1000
09/25/93	FBLK	713-HG	LT 0.1000
09/28/93	FBLK	722-HG	LT 0.1000
09/30/93	FBLK	736-HG	LT 0.1000

NOTE: LT - denotes value below lower Certified Reporting Limit  
GT - denotes value above upper Certified Reporting Limit



CAQMMP FY93

Total Suspended Particulates Field and Trip Blank Results

## TSP BLANK RESULTS

(ug)

DATE	SITEID	SAMPID	TSP
----	-----	-----	-----
10/06/92	FBLK	F0024	200
10/15/92	FBLK	F0071	105000
10/21/92	FBLK	F0085	-700
10/27/92	FBLK	F0113	-8000
11/02/92	FBLK	F0144	9000
11/08/92	FBLK	F0172	38600
11/14/92	FBLK	F0205	93000
11/20/92	FBLK	F0234	53800
11/26/92	FBLK	F0266	12600
12/02/92	FBLK	F0294	-44600
12/08/92	FBLK	F0327	-53000
12/14/92	FBLK	F0355	5700
12/20/92	FBLK	F0389	2400
12/26/92	FBLK	F0417	-12600
01/01/93	FBLK	F0458	5000
01/07/93	FBLK	F0482	46000
01/07/93	FBLK	F0483	1500
01/07/93	TRIP	F0484	1000
01/07/93	TRIP	F0485	96100
01/13/93	FBLK	F0521	-4000
01/13/93	FBLK	F0522	-700
01/13/93	TRIP	F0523	0
01/13/93	TRIP	F0524	1500
01/19/93	FBLK	F0552	1700
01/22/93	FBLK	F0560	-1000
01/25/93	FBLK	F0592	-34000
01/25/93	FBLK	F0593D	-225000
01/25/93	TRIP	F0594	-267000
01/31/93	FBLK	F0599	4700
01/31/93	FBLK	F0600	-600
01/31/93	TRIP	F0601	3200
01/31/93	TRIP	F0602	1000
02/06/93	FBLK	F0673	-3400
02/06/93	FBLK	F0675	12000
02/06/93	TRIP	F0676	-400
02/06/93	TRIP	F0677	-1500
02/12/93	FBLK	F0711	-2800
02/12/93	FBLK	F0712	-3300
02/12/93	TRIP	F0713	-5200
02/12/93	TRIP	F0714	-5000
02/18/93	FBLK	F0750	-3300
02/18/93	FBLK	F0751	-2400
02/18/93	TRIP	F0752	-2900
02/18/93	TRIP	F0753	-2800
02/24/93	FBLK	F0787	-2500
02/24/93	FBLK	F0788	-3900
02/24/93	TRIP	F0789	-3300
02/24/93	TRIP	F0790	-5800

## TSP BLANK RESULTS

(ug)

DATE	SITEID	SAMPID	TSP
-----	-----	-----	-----
03/02/93	FBLK	F0829	-1500
03/02/93	FBLK	F0830	300
03/02/93	TRIP	F0841	-2900
03/02/93	TRIP	F0842	-5400
03/04/93	FBLK	F0840	-1700
03/08/93	FBLK	F0871	-6100
03/08/93	FBLK	F0872	-1700
03/08/93	TRIP	F0873	-3900
03/08/93	TRIP	F0874	-1200
03/14/93	FBLK	F0909	-900
03/20/93	FBLK	F0938	800
03/26/93	FBLK	F0968	4900
04/01/93	FBLK	F0996	7100
04/07/93	FBLK	G0032	-3700
04/10/93	FBLK	G0041	1200
04/13/93	FBLK	G0070	100
04/16/93	FBLK	G0079	-1700
04/16/93	FBLK	G0080	3800
04/16/93	TRIP	G0115	800
04/16/93	TRIP	G0116	2100
04/19/93	FBLK	G0113	2500
04/22/93	FBLK	G0125	900
04/22/93	FBLK	G0126	1400
04/22/93	TRIP	G0127	100
04/22/93	TRIP	G0128	-3200
04/25/93	FBLK	G0157	5700
04/28/93	FBLK	G0167	5200
04/28/93	FBLK	G0168	6900
04/28/93	TRIP	G0169	3900
04/28/93	TRIP	G0170	5700
05/01/93	FBLK	G0201	2100
05/04/93	FBLK	G0210	1900
05/04/93	FBLK	G0211	3200
05/04/93	TRIP	G0212	2000
05/04/93	TRIP	G0213	1400
05/08/93	FBLK	G0247	-2000
05/10/93	FBLK	G0256	400
05/10/93	FBLK	G0257	800
05/10/93	TRIP	G0258	2000
05/10/93	TRIP	G0259	1500
05/13/93	FBLK	G0279	4200
05/16/93	FBLK	H0017	700
05/16/93	FBLK	H0018	600
05/16/93	TRIP	H0019	700
05/16/93	TRIP	H0020	700
05/19/93	FBLK	G0305	400
05/22/93	FBLK	H0037	1000
05/22/93	FBLK	H0038	2000

## TSP BLANK RESULTS

(ug)

DATE	SITEID	SAMPID	TSP
-----	-----	-----	-----
05/22/93	TRIP	H0040	100
05/22/93	TRIP	H0041	200
05/25/93	FBLK	G0326	-900
05/28/93	FBLK	H0058	1400
05/28/93	FBLK	H0059	1700
05/28/93	TRIP	H0060	1300
05/28/93	TRIP	H0061	1900
05/31/93	FBLK	G0350	-1000
06/03/93	FBLK	H0078	-1100
06/03/93	FBLK	H0079	-2300
06/03/93	TRIP	H0080	-1500
06/03/93	TRIP	H0081	-1300
06/06/93	FBLK	G0370	600
06/09/93	FBLK	H0098	100
06/09/93	FBLK	H0099	0
06/09/93	TRIP	H0100	200
06/09/93	TRIP	H0101	600
06/10/93	FBLK	H0110	-1600
06/10/93	FBLK	H0111	-1400
06/10/93	TRIP	H0112	-3700
06/10/93	TRIP	H0113	-2900
06/12/93	FBLK	G0392	-1400
06/13/93	FBLK	H0130	-100
06/13/93	FBLK	H0131	-700
06/13/93	TRIP	H0132	-300
06/13/93	TRIP	H0133	-900
06/15/93	FBLK	H0142	-100
06/15/93	FBLK	H0143	-1700
06/15/93	TRIP	H0144	-800
06/15/93	TRIP	H0145	-1200
06/18/93	FBLK	G0421	-1600
06/21/93	FBLK	H0162	400
06/21/93	FBLK	H0163	-500
06/21/93	TRIP	H0164	-400
06/21/93	TRIP	H0165	100
06/24/93	FBLK	G0441	-2000
06/30/93	FBLK	G0467	200
07/06/93	FBLK	G0506	100
07/09/93	FBLK	H0183	600
07/09/93	FBLK	H0184	800
07/09/93	TRIP	H0185	1800
07/09/93	TRIP	H0186	800
07/12/93	FBLK	G0530	0
07/15/93	FBLK	H0207	600
07/15/93	FBLK	H0209	400
07/15/93	FBLK	G0540	600
07/15/93	TRIP	H0210	500
07/15/93	TRIP	H0211	100

TSP BLANK RESULTS  
(ug)

DATE	SITEID	SAMPID	TSP
-----	-----	-----	-----
07/18/93	FBLK	H0220	800
07/21/93	FBLK	H0229	-200
07/21/93	FBLK	H0230	-700
07/21/93	TRIP	H0231	-400
07/21/93	TRIP	H0232	-1100
07/24/93	FBLK	G0593	-800
07/30/93	FBLK	G0621	900
08/05/93	FBLK	G0654	3700
08/11/93	FBLK	G0682	3300
08/17/93	FBLK	G0720	0
08/23/93	FBLK	G0749	-3700
08/29/93	FBLK	G0782	-2800
09/04/93	FBLK	G0821	100
09/10/93	FBLK	G0853	-100
09/12/93	FBLK	G0863	0
09/16/93	FBLK	G0890	-1200
09/22/93	FBLK	G0924	-4700
09/25/93	FBLK	G0932	-3500
09/28/93	FBLK	G0961	-2500
09/30/93	FBLK	G0973	-4400

Appendix L

Joint Frequency Distribution

ROCKY MOUNTAIN ARSENAL  
CAQMMP JOINT FREQUENCY DISTRIBUTION  
COMPOSITE SITE  
FROM :10/ 1/92 TO: 9/30/93

WIND FREQUENCY DISTRIBUTION BY PERCENT - STABILITY CLASS A

10 METER LEVEL

WIND DIRECTION	WIND SPEED CLASSES (KNOTS)						CLASS*	TOTAL**
	<4.0	4.0- <7.0	7.0- <11.0	11.0- <17.0	17.0- <21.0	≥21.0		
N	1.6	2.5	2.9	1.6	.2	.7	9.58	.61
NNE	1.3	4.7	3.4	1.6	.0	.5	11.57	.73
NE	1.8	2.5	2.7	.4	.0	.0	7.41	.47
ENE	2.2	6.5	2.5	.4	.2	.0	11.75	.74
E	1.6	5.4	2.2	1.1	.0	.0	10.31	.65
ESE	.5	2.9	1.3	.7	.0	.0	5.42	.34
SE	.9	2.0	1.1	.0	.0	.0	3.98	.25
SSE	1.4	2.0	1.3	.4	.0	.0	5.06	.32
S	1.3	2.9	2.0	.7	.2	.2	7.23	.46
SSW	1.3	1.8	1.3	.2	.2	.0	4.70	.30
SW	.7	.5	.4	.0	.2	.2	1.99	.13
WSW	.7	.9	.2	.2	.0	.0	1.99	.13
W	1.1	.5	.4	1.4	.0	.0	3.44	.22
WNW	.9	.5	.5	.9	.4	.4	3.62	.23
NW	.4	.7	1.4	1.1	.4	.4	4.34	.27
NNW	.9	2.2	2.2	1.8	.0	.5	7.59	.48
ALL	18.6	38.7	25.7	12.5	1.6	2.9	100.00	6.31

\* TOTAL PERCENT FOR THIS STABILITY CLASS

\*\* TOTAL PERCENT RELATIVE TO ALL STABILITY CLASSES

TOTAL NUMBER OF INVALID OBSERVATIONS IN THIS STABILITY CLASS = 0  
TOTAL NUMBER OF VALID OBSERVATIONS IN THIS STABILITY CLASS = 553

ROCKY MOUNTAIN ARSENAL  
CAQMMP JOINT FREQUENCY DISTRIBUTION  
COMPOSITE SITE  
FROM :10/ 1/92 TO: 9/30/93

WIND FREQUENCY DISTRIBUTION BY PERCENT - STABILITY CLASS B

10 METER LEVEL

WIND DIRECTION	WIND SPEED CLASSES (KNOTS)						CLASS*	TOTAL**
	<4.0	4.0- <7.0	7.0- <11.0	11.0- <17.0	17.0- <21.0	≥21.0		
N	1.5	3.0	2.3	1.2	.5	.3	8.74	.75
NNE	1.2	4.2	3.6	1.1	.3	.0	10.33	.89
NE	1.3	3.6	2.9	2.0	.0	.1	9.93	.86
ENE	1.2	4.5	1.6	.8	.0	.3	8.34	.72
E	1.2	3.4	1.2	.4	.3	.0	6.49	.56
ESE	1.2	2.8	1.3	.5	.1	.1	6.09	.53
SE	.8	3.2	1.6	.7	.0	.0	6.23	.54
SSE	1.6	1.9	1.3	.8	.1	.0	5.70	.49
S	1.5	2.0	1.2	.3	.1	.0	5.03	.43
SSW	1.7	2.1	2.6	.8	.1	.0	7.42	.64
SW	.7	1.3	.1	.5	.0	.0	2.65	.23
WSW	.4	1.1	.3	.3	.1	.1	2.25	.19
W	.4	.8	.5	1.1	.3	.3	3.31	.29
WNW	.9	.7	.8	1.7	.4	.7	5.17	.45
NW	.7	1.6	1.3	1.5	.8	.4	6.23	.54
NNW	.9	2.0	2.0	1.1	.0	.1	6.09	.53
ALL	17.1	38.1	24.6	14.6	3.2	2.4	100.00	8.62

\* TOTAL PERCENT FOR THIS STABILITY CLASS

\*\* TOTAL PERCENT RELATIVE TO ALL STABILITY CLASSES

TOTAL NUMBER OF INVALID OBSERVATIONS IN THIS STABILITY CLASS = 0  
TOTAL NUMBER OF VALID OBSERVATIONS IN THIS STABILITY CLASS = 755



ROCKY MOUNTAIN ARSENAL  
CAQMMP JOINT FREQUENCY DISTRIBUTION  
COMPOSITE SITE  
FROM :10/ 1/92 TO: 9/30/93

WIND FREQUENCY DISTRIBUTION BY PERCENT - STABILITY CLASS C

10 METER LEVEL

WIND DIRECTION	WIND SPEED CLASSES (KNOTS)						CLASS*	TOTAL**
	<4.0	4.0- <7.0	7.0- <11.0	11.0- <17.0	17.0- <21.0	≥21.0		
N	1.5	3.5	2.5	1.4	.3	.1	9.30	1.18
NNE	1.9	3.8	3.4	2.4	.7	.3	12.55	1.59
NE	1.1	2.8	2.5	.9	.1	.0	7.40	.94
ENE	1.5	2.5	1.3	.3	.0	.0	5.60	.71
E	1.4	4.3	1.1	.6	.2	.1	7.76	.98
ESE	1.0	2.1	1.1	.5	.2	.0	4.78	.61
SE	.7	1.4	1.2	.6	.2	.0	4.15	.53
SSE	1.4	2.8	1.4	.4	.1	.2	6.32	.80
S	2.2	2.8	1.8	.5	.0	.1	7.40	.94
SSW	1.6	2.9	3.2	1.1	.1	.2	9.03	1.14
SW	1.1	1.9	.5	.2	.0	.0	3.70	.47
WSW	1.1	.7	.5	.4	.0	.0	2.62	.33
W	1.0	.8	.5	.5	.6	.5	4.06	.51
WNW	1.0	.6	.6	1.3	.5	.7	4.78	.61
NW	1.2	1.4	.8	.7	.5	.3	4.78	.61
NNW	1.2	2.3	1.2	.8	.2	.0	5.60	.71
ALL	21.1	36.6	23.6	12.5	3.6	2.4	100.00	12.65

\* TOTAL PERCENT FOR THIS STABILITY CLASS

\*\* TOTAL PERCENT RELATIVE TO ALL STABILITY CLASSES

TOTAL NUMBER OF INVALID OBSERVATIONS IN THIS STABILITY CLASS = 0  
TOTAL NUMBER OF VALID OBSERVATIONS IN THIS STABILITY CLASS = 1108

ROCKY MOUNTAIN ARSENAL  
CAQMMP JOINT FREQUENCY DISTRIBUTION  
COMPOSITE SITE  
FROM :10/ 1/92 TO: 9/30/93

WIND FREQUENCY DISTRIBUTION BY PERCENT - STABILITY CLASS D

10 METER LEVEL

WIND DIRECTION	WIND SPEED CLASSES (KNOTS)						CLASS*	TOTAL**
	<4.0	4.0- <7.0	7.0- <11.0	11.0- <17.0	17.0- <21.0	≥21.0		
N	1.3	1.9	2.0	.9	.4	.1	6.64	2.97
NNE	1.6	2.1	2.0	1.4	.3	.3	7.69	3.44
NE	1.3	2.4	1.9	.6	.1	.0	6.21	2.77
ENE	1.1	2.0	1.5	.5	.0	.0	5.16	2.31
E	1.5	2.0	1.6	.4	.0	.0	5.54	2.48
ESE	1.2	1.6	1.4	.3	.1	.0	4.52	2.02
SE	1.4	2.4	2.1	.3	.0	.0	6.26	2.80
SSE	1.2	2.8	1.3	.4	.1	.1	5.93	2.65
S	1.9	4.9	2.7	1.0	.2	.1	10.68	4.77
SSW	1.3	4.2	5.7	1.8	.2	.0	13.26	5.92
SW	1.5	2.5	1.1	.2	.1	.0	5.39	2.41
WSW	1.2	1.2	.8	.3	.1	.0	3.60	1.61
W	1.3	.7	.7	.9	.3	.2	4.09	1.83
WNW	1.5	.8	.8	.7	.4	.2	4.42	1.97
NW	1.7	1.5	.5	.6	.3	.1	4.80	2.15
NNW	1.7	1.8	1.4	.7	.1	.0	5.72	2.56
ALL	22.7	35.0	27.6	11.2	2.5	1.1	100.00	44.68

\* TOTAL PERCENT FOR THIS STABILITY CLASS

\*\* TOTAL PERCENT RELATIVE TO ALL STABILITY CLASSES

TOTAL NUMBER OF INVALID OBSERVATIONS IN THIS STABILITY CLASS = 0

TOTAL NUMBER OF VALID OBSERVATIONS IN THIS STABILITY CLASS = 3914

ROCKY MOUNTAIN ARSENAL  
CAQMMP JOINT FREQUENCY DISTRIBUTION  
COMPOSITE SITE  
FROM :10/ 1/92 TO: 9/30/93

WIND FREQUENCY DISTRIBUTION BY PERCENT - STABILITY CLASS E

10 METER LEVEL

WIND DIRECTION	WIND SPEED CLASSES (KNOTS)						CLASS*	TOTAL**
	<4.0	4.0- <7.0	7.0- <11.0	11.0- <17.0	17.0- <21.0	≥21.0		
N	1.4	1.4	1.1	1.0	.2	.0	5.19	1.21
NNE	1.0	1.0	1.5	.9	.2	.2	4.95	1.15
NE	1.1	1.7	1.0	.2	.0	.0	3.97	.92
ENE	.8	1.0	.9	.2	.0	.0	2.89	.67
E	1.7	1.8	.9	.2	.0	.0	4.60	1.07
ESE	.9	1.9	1.4	.2	.0	.0	4.31	1.00
SE	1.3	2.3	2.0	.2	.0	.0	5.78	1.35
SSE	1.2	4.3	3.5	.4	.1	.0	9.50	2.21
S	2.5	8.5	4.5	.6	.2	.0	16.31	3.80
SSW	1.9	6.1	6.9	1.8	.2	.0	16.80	3.92
SW	1.4	2.9	1.1	.2	.1	.0	5.73	1.34
WSW	1.7	2.0	.7	.2	.0	.0	4.51	1.05
W	1.2	.8	.6	.5	.2	.3	3.72	.87
WNW	.9	1.2	.1	.4	.1	.1	2.94	.68
NW	1.4	.8	.6	.3	.0	.0	3.18	.74
NNW	1.1	2.0	1.4	.7	.1	.0	5.34	1.24
ALL	21.6	39.6	28.3	8.1	1.7	.7	100.00	23.31

\* TOTAL PERCENT FOR THIS STABILITY CLASS

\*\* TOTAL PERCENT RELATIVE TO ALL STABILITY CLASSES

TOTAL NUMBER OF INVALID OBSERVATIONS IN THIS STABILITY CLASS = 0  
TOTAL NUMBER OF VALID OBSERVATIONS IN THIS STABILITY CLASS = 2042

ROCKY MOUNTAIN ARSENAL  
CAQMMP JOINT FREQUENCY DISTRIBUTION  
COMPOSITE SITE  
FROM :10/ 1/92 TO: 9/30/93

WIND FREQUENCY DISTRIBUTION BY PERCENT - STABILITY CLASS F

10 METER LEVEL

WIND DIRECTION	WIND SPEED CLASSES (KNOTS)						CLASS*	TOTAL**
	<4.0	4.0- <7.0	7.0- <11.0	11.0- <17.0	17.0- <21.0	≥21.0		
N	1.0	1.0	1.3	.8	.0	.0	4.12	.18
NNE	.5	1.5	.8	.3	.3	.3	3.61	.16
NE	.8	1.5	.3	.0	.0	.0	2.58	.11
ENE	.5	1.3	.3	.3	.0	.0	2.32	.10
E	1.0	3.1	1.5	.3	.0	.0	5.93	.26
ESE	.5	1.8	1.0	.5	.0	.0	3.87	.17
SE	.5	2.1	2.8	.0	.0	.0	5.41	.24
SSE	.5	4.9	2.3	.8	.0	.0	8.51	.38
S	2.6	8.2	3.6	.5	1.3	.0	16.24	.72
SSW	1.3	9.0	6.4	3.1	.0	.0	19.85	.88
SW	1.8	3.4	1.0	.0	.0	.0	6.19	.27
WSW	1.8	2.6	.5	.3	.0	.0	5.15	.23
W	1.3	.5	.5	.0	.0	.3	2.58	.11
WNW	1.0	1.0	.3	.3	.0	.0	2.58	.11
NW	2.1	2.3	.8	.3	.0	.0	5.41	.24
NNW	1.0	.8	2.8	.3	.0	.0	4.90	.22
ALL	19.1	45.1	26.3	7.5	1.5	.5	100.00	4.43

\* TOTAL PERCENT FOR THIS STABILITY CLASS

\*\* TOTAL PERCENT RELATIVE TO ALL STABILITY CLASSES

TOTAL NUMBER OF INVALID OBSERVATIONS IN THIS STABILITY CLASS = 0  
TOTAL NUMBER OF VALID OBSERVATIONS IN THIS STABILITY CLASS = 388

ROCKY MOUNTAIN ARSENAL  
CAQMMP JOINT FREQUENCY DISTRIBUTION  
COMPOSITE SITE  
FROM :10/ 1/92 TO: 9/30/93

WIND FREQUENCY DISTRIBUTION BY PERCENT - STABILITY CLASS ALL

10 METER LEVEL

WIND DIRECTION	WIND SPEED CLASSES (KNOTS)						CLASS*	TOTAL**
	<4.0	4.0- <7.0	7.0- <11.0	11.0- <17.0	17.0- <21.0	≥21.0		
N	1.4	2.1	1.9	1.1	.3	.1	6.89	6.89
NNE	1.4	2.4	2.3	1.4	.3	.3	7.96	7.96
NE	1.2	2.3	1.9	.6	.0	.0	6.07	6.07
ENE	1.1	2.3	1.4	.4	.0	.0	5.25	5.25
E	1.5	2.6	1.4	.4	.1	.0	6.00	6.00
ESE	1.0	1.9	1.3	.4	.1	.0	4.67	4.67
SE	1.2	2.3	1.9	.3	.0	.0	5.70	5.70
SSE	1.3	3.1	1.9	.5	.1	.0	6.85	6.85
S	2.0	5.2	2.9	.7	.2	.1	11.12	11.12
SSW	1.5	4.4	5.1	1.6	.2	.0	12.80	12.80
SW	1.3	2.4	.9	.2	.1	.0	4.84	4.84
WSW	1.2	1.3	.7	.3	.0	.0	3.54	3.54
W	1.1	.7	.6	.8	.3	.3	3.82	3.82
WNW	1.2	.9	.6	.8	.3	.3	4.05	4.05
NW	1.4	1.3	.7	.7	.3	.1	4.54	4.54
NNW	1.3	1.9	1.5	.8	.1	.0	5.73	5.73
ALL	21.3	37.2	26.8	10.8	2.4	1.4	100.00	100.00

\* TOTAL PERCENT FOR THIS STABILITY CLASS

\*\* TOTAL PERCENT RELATIVE TO ALL STABILITY CLASSES

TOTAL NUMBER OF INVALID OBSERVATIONS IN THIS STABILITY CLASS = 0  
TOTAL NUMBER OF VALID OBSERVATIONS IN THIS STABILITY CLASS = 8760  
JOINT DATA RECOVERY RATE = 100.0%